

**DELHI UNIVERSITY
LIBRARY**

DELHI UNIVERSITY LIBRARY

Cl. No. MY251a N3

Ho

Ac No 47500

Date of release for loan

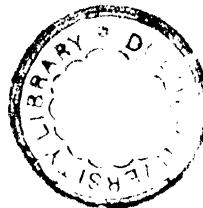
This book should be returned on or before the date last stamped below. An overdue charge of one anna will be levied for each day the book is kept beyond that date.

BIBLIOGRAPHY OF SWIMMING

BIBLIOGRAPHY OF SWIMMING

COMPILED BY
FRANCES A. GREENWOOD

*Department of Physical Education,
University of Alabama*



THE H. W. WILSON COMPANY
NEW YORK

1940

Copyright 1940
by
The H. W. Wilson Company

All Rights Reserved

Published January, 1940

Printed in the United States of America

PREFACE

The need for a comprehensive survey of the literature on swimming and its related subjects first became evident through numerous requests from interested persons in several countries. The many selected bibliographies which have been compiled have served as valuable reference lists, but no complete bibliography has existed in the field of aquatics. The potential value which lay in such a compilation was envisioned, and work on this book was begun.

Extensive search disclosed a large volume of material. Some has been known and used; some has been conceded little attention because of obscure sources; and some, pertinent to the subject, has been collected from the literature of widely divergent fields. Thousands of titles were assembled. General grouping of titles by subjects was followed by elaborate subdivisions and extensive cross references. Finally an orderly arrangement by subjects was achieved, and author and subject entries were incorporated into one alphabetical listing. The bibliographical plan used by the American Medical Association in the *Quarterly Cumulative Index Medicus* was followed throughout this bibliography.

In spite of the fact that every effort was made to secure accurate information and rectify discrepancies, a number of irregularities persisted. In several cases details of bibliographical citations varied decidedly as recorded in different sources. The citations used in this bibliography were verified from authentic sources if possible, but in a few cases it became necessary either to delete questionable references or to choose data which seemed most reliable. Thus, unavoidable possibility for incompleteness or error ensued.

Due to the impossibility of securing copies of a number of books and articles, it was necessary to rely entirely upon their titles for classification. Since titles often are misleading, the possibility of erroneous or incomplete classification exists.

Selected references from related fields were used when, in the opinion of the bibliographer, their applicability warranted inclusion.

The completed bibliographical compilation is supplemented by appendices on Films, Organizations Promoting Swimming and Sources for Equipment and Supplies. The bibliographical section consists of approximately 10,000 titles listed by authors and classified under 608 subjects. Material from 19 different languages is used. Books and pamphlets issued by 623 publishers, an undetermined number of private publications and articles from 645 periodicals are included. Appendices contain a list of 88 films, names and addresses of 92 organizations promoting swimming and an alphabetically arranged list of 496 products distributed by 45 representative firms. The bibliography includes material published up to June, 1938.

The compiler sincerely requests reports of any errors which may be discovered and invites suggestions which will enhance the usefulness of future supplements to this book.

ACKNOWLEDGMENTS

My appreciative acknowledgments are made to the thousands of individuals who have contributed to the literature in the field of aquatics and to the many persons not mentioned specifically who have assisted in this compilation.

The Publishers Weekly, the F. W. Faxon Company and Otto Harrassowitz of Leipzig have furnished essential records. The *Quarterly Cumulative Index Medicus* of the American Medical Association has allowed the use of titles from foreign languages as translated into English and prepared for classification by them. The Departments of Public Health of all states have assisted by furnishing materials on standards and regulations. The National Recreation Association has submitted numerous lists.

Librarians and many other persons in this country and in foreign countries have aided my search for records of materials. The splendid resources of the Library of Congress have been of inestimable value.

Dr. Hamilton Montgomery of the Section of Dermatology of The Mayo Clinic has brought to my attention a vast amount of material relating to medical research in this field. Professor Holger Nielsen of Hellerup, Denmark, has sent important selections from the literature of the Scandinavian Peninsula. Captain Bertram W. Cummins, Hon. Editor of *The Swimming Times*, of London, has rendered kind assistance for several years.

The keen interest of my students has been a never failing challenge. Especially, Jean Adamson, Mary Helen Bell, Ruth Crooks, Alta Ely, Norene Hulsey, Gertrude Perkins, Elizabeth Poer, Gwendolyn Reams and Cecile Thompson have worked untiringly.

My mother, my sisters and my aunt, Mrs. W. F. Tyler, have been unfailing in their encouragement and have helped in many ways.

Dr. Ethel J. Saxman has maintained a personal interest in this work since its beginning, and for her constant consideration I offer my deep appreciation.

Miss Louise E. Levy has been a constant adviser. She has shared countless problems and has helped immeasurably.

Miss Fannie Schmitt, librarian, Tuscaloosa, Alabama, High School, read the outline and parts of the manuscript and made suggestions which were quite helpful..

I am deeply grateful to Miss Emma Louise Wills, librarian of the College of Education of the University of Alabama, for many hours of reading of the manuscript, for valuable suggestions and for her personal interest; and to Mr. Eli Sobel for extensive translations from foreign languages.

Dr. Peter V. Karpovich has contributed valuable material and has made suggestions which have clarified exceedingly the final arrangement of this bibliography. To him I express my sincere appreciation.

Miss Margaret T. Little has typed the entire manuscript and has performed, in large measure, the voluminous secretarial work during the final years of this undertaking. No task has been too difficult, and her faithful, very careful and always cheerful work has made possible the completion of the manuscript. To her my deep gratitude cannot fully be expressed.

The cooperation and help of the publishers has been invaluable.

CONTENTS

PREFACE	5
INSTRUCTIONS FOR USE	9
BIBLIOGRAPHY	13
APPENDICES	
A. Organizations Promoting Swimming	245
B. Equipment and Supplies	
I. Sources for Equipment and Supplies	248
II. Addresses of Firms	279
C. Films	
I. Films on Swimming	280
II. Distributors of Films	283
D. Key to Abbreviations	
I. Periodicals	286
II. Publishers	300

Instructions for Use

Subject and author entries are listed in one alphabetical index.

Complete bibliographical data will be found under the author listing. Titles under subject entries may have been translated, expanded, shortened or inverted.

Citations for articles give name of author, title, abbreviation for periodical and date of issue. Page references are indicated for annuals.

Citations for books or pamphlets give name of author, title, date of issue, price, number of pages and abbreviation for publisher.

Complete citations were impossible in many cases because of incomplete records of material.

Theses, posters, charts and photographs are indicated by the descriptive word used immediately after the title in author entries; after name of author in subject entries. Otherwise, the form for making these entries corresponds to that designated for books.

All titles under subject heads are preceded by a dash.

Titles which are equivalent to the subject under which they appear are omitted, only the name of the author being given. These entries come first under subject heads; they are followed by an alphabetical listing of titles.

Titles signed by more than one author appear only after the name of the first author. Reference is made from each joint author to the original author.

Example :

Brandsten, Ernst M. See White, Albert C.
jt. auth.

TREATMENT OF LANGUAGES

Titles of articles from periodicals have been translated into English for all subject entries, except in cases of unsigned titles, which appear in the original language, followed by an English translation in parentheses. For author entries, titles of articles appear in the original language if English, French, German, Italian, Portuguese or Spanish; translated into English from all other languages.

Titles of books and pamphlets appear in the original language for both author and subject entries in all languages except Chinese, Japanese and Russian, for which English translations are used in all cases. Under subject entries the title in the original language is followed by an English translation in parentheses.

CLASSIFICATION OF MATERIAL

Material has been classified under specific subjects as nearly as possible. Titles have been repeated under more than one subject when necessary.

A book limited to one or two specific subjects is listed under each of those subjects. Books treating many subjects are listed, according to date, under Texts. Example: "Art of springboard diving" is listed under Diving, Springboard, and not under Texts.

A few titles which could not be classified accurately under any subject included in this bibliography have been entered only under the author.

Unsigned titles are entered under subjects only.

In a number of cases section or chapter titles have been used to identify significant material which was not indicated by the title of the book. A note, stating that the title indicates a section or chapter from a particular book, has been made when this applies.

Typical author entries:

DuBois, Goddard. Nielsen method of artificial respiration. *J. Health & Phys. Educ.* Jan. 1936

Hobden, F. W. Art of springboard diving. 10s. 6d. 229p Putnam. 1937

Neveu, R. Les piscines et la santé publique. Ann. d'hyg. Nov. 1934

Nielsen, Holger. Livredning. (il) 88p Gyldend. Boghand. Nord. Forlag. 1937

Todd, Frances Eleanor. Hydrogymnastics and swimming for the physically handicapped. Thesis. 28p Univ. California, Berkeley. 1933

The Physical Education Department lists this as: A study of swimming as a means of individual program adaptations in physical education.

Under subject heads these author entries appear as follows:

Corrective Swimming and Underwater Gymnastics

—hydrogymnastics and swimming for the physically handicapped. [Frances Eleanor Todd] Thesis. 28p Univ. California, Berkeley. 1933

The Physical Education Department lists this as: A study of swimming as a means of individual program adaptations in physical education.

Diving

SPRINGBOARD, art of. [F. W. Hobden] 10s. 6d. 229p Putnam. 1937

Life Saving

DANISH, Livredning (life saving). [Holger Nielsen] 88p Gyldend. Boghand. Nord. Forlag. 1937

Public Health in Relation to Pools and Swimming

—swimming pools and public health. [R. Neveu] Ann. d'hyg. Nov. 1934

Resuscitation

NIELSEN METHOD. See also Resuscitation, methods

—[Goddard DuBois] *J. Health & Phys. Educ.* Jan. 1936

Theses and dissertations are listed under the head of Theses; also they are classified under the various subjects to which they pertain.

Cross references have not been made to Texts.

To help clarify the manner in which material has been treated, a short, selected list of subject heads follows:

A.A.U. Meets. See Meets, A.A.U. (under M)

Achievement Tests. See Tests, achievement (under T)

Coaching

See also Competition; Diseases, caused by cold and overexertion; Officiating; Olympics; Physiological Aspects; Polo; Respiration; Speed Swimming; Strokes

DIET FOR ATHLETES

DIVING. See Diving, coaching (in the main alphabet)

HISTORY. See also History (in the main alphabet)

MEDICAL SUPERVISION OF ATHLETES. See also Physiological Aspects

OBSERVATION WINDOWS, USE IN POLO. See also Polo (in the main alphabet)

SPEED SWIMMING. See Speed Swimming (in the main alphabet)

TRAINING FOR COMPETITION. See also Coaching, diet for athletes; Physiological Aspects (in the main alphabet)

Drowning

See also Legal Aspects; Life Saving; Resuscitation; Safety

BLOOD CHANGES IN CAUSES OF

DIAGNOSIS OF EXPERIMENTAL STUDIES ON
etc.

Exhibitions

See also Recreational Swimming; Teaching

CARNIVALS
CIRCUS
FESTIVALS
etc.

Mechanical Devices for Resuscitation. See Resuscitation, mechanical devices for (under R)

Officiating

See also Coaching; Diving; Polo; Teaching

JUDGING DIVING. See also Diving (in the main alphabet)

RULES FOR SWIMMING, DIVING AND WATER POLO

STOP-WATCH TIMING

Pools, Artificial, Care of

See also Pools and Bathing Places, Operation of; Pools and Bathing Places, Sanitation of; Water Analysis; Water Purification

CLEANING

PAINTING

SCUM REMOVAL

SUCTION SWEEPING

etc.

INSTRUCTIONS FOR USE OF APPENDICES

APPENDIX A

Organizations Promoting Swimming—Names and addresses have been listed. If an organization has no permanent address the officers for 1939 appear. The list of organizations represented in the Fédération Internationale de Natation Amateur has been used as listed by the federation, with minor changes in abbreviations and punctuation.

APPENDIX B

Equipment and Supplies—Items of equipment are listed in alphabetical order. Names of firms from whom these items may be secured are listed under each item. A complete list of firms represented appears at the end of this appendix.

APPENDIX C

Films—Citations give title of the film, number of reels, size, sound or silent, price, date, distributor and, if available, information regarding the producer.

APPENDIX D

Periodicals and Publishers—These lists contain the abbreviations used in bibliographical entries for periodicals and publishers. Complete name and address, if possible, follow each abbreviation.

Bibliography of Swimming

A.A.U. Meets. See Meets, A.A.U.

A.S.A. Meets. See Meets, A.S.A.

Abderhalden, E. Der Sport vom Standpunkt der physiologischen Forschung. Wien. med. Wchnschr. March 19, 1927

Abe, K. Swimming Japan: what can it do in the coming Olympiad? J. Health & Phys. Educ. June 1933

Aboveground Pools. See Pools and Bathing Places, Construction of, above-ground

Accidents

See also Injuries; Life Saving
—drowning accidents. Indep. June 29, 1905
—in bathing. [E. Duhot] Echo méd. du Nord. Oct. 22, 1932
—in bathing. [Guy Hinsdale] Mind & Body. Nov. 1929; also J. Am. Med. Assoc. May 11, 1929
—sport and danger. [B. Breitner] Wien. med. Wchnschr. Sept. 25, 1937
—swimming and its dangers. [Fred Zawner] 43p New York. The Author. 1906

Achievement Tests. See Tests, achievement

Ackermann, R. Einfluss sportlicher Arbeit auf das Herz. München. med. Wchnschr. Oct. 22, 1926

Ackley, Harry A. Design and layout of Pittsburgh field club. (il) Swim. Pool Data & Ref. Ann. 5:14-16. 1937

How to consider the proposed pool. Beach & Pool. Oct. 1936; also Baths & Bath Engin. Dec. 1936

Ideal municipal pool layout. (il) Swim. Pool Data & Ref. Ann. 3:56-57. 1935

Improved wading pool. Beach & Pool. June 1936

Modern trend in design and construction. Beach & Pool. Jan. 1938

New pool movements in undeveloped localities can duplicate Parkersburg's achievement, if properly conducted. Beach & Pool. Sept. 1937

Wave device for any pool. Swim. Pool Data & Ref. Ann. 3:33. 1935

Acklin, O. Zum Nachweis des Bacterium coli commune als Fäkalindikator in Wasser. Centralbl. f. Bakt. Jan. 3, 1927

Acoustic Problems in Pool Construction. See Pools and Bathing Places, Construction of, acoustic problems in

Adams, H. S. New ideas in swimming pools. Country Life. Feb. 1913

Adams, J. D. Municipal swimming pool without taxation. Sioux City, Iowa. Am. City. Oct. 1925; also Play-ground. June 1926

Adams, T. W. and others. Influence of muscular work upon movements of stomach. Brit. J. Radiol. Nov. 1932
Influence of muscular work upon movements of stomach; experiments on man. Brit. J. Radiol. Dec. 1932

Admission Prices. See Pools and Bathing Places, Financial Aspects of, admission prices

Advanced Swimming. See Teaching, advanced swimming

Advertising. See Publicity, advertising

Affleck, G. B. Water games. Free. A.R.C. 1926

—See Karpovich, Peter V. jt. auth.

Affolter, J. La noyade dite par congestion. Schweiz. med. Wchnschr. Dec. 2, 1933

Aflalo, F. G. (ed) Sports of the world. \$5 Cassell. 1904

—See Suffolk and Berkshire, Earl of, jt. ed.

Aids During Resuscitation. See Resuscitation, aids during

Air Conditioning

—[Louis Allen Harding and Arthur Cutts Willard] 2nd ed. rev. 963p Wiley; Chapman & Hall. 1932

—[J. A. Moyer and R. U. Fitz] \$4 McGraw-Hill. 1933

—manual. [Louis Allen Harding] 276p Buffalo, N.Y. The Author

—of bath houses and pool rooms. Swim. Pool Data & Ref. Ann. 6:60, 71. 1938

—principles of. [Arthur Maurice Greene, jr.] \$4.50 446p Wiley; Chapman & Hall. 1936

Air-Raid Protection, Pools For. See Pools and Bathing Places, for air-raid and poison-gas protection

Alabama State Board of Health. Swimming pool recommendations. Free. 38p Alabama State Board Health. 1929

Albert, A. Die Befreiungen vom pflichtmässigen Rettungsschwimmen im WS. 1936/37. Med. Klin. 33:1137-40. Aug. 20, 1937

Albornoz, F. La desinfección del agua de las piletas por la clorinación. Rev. méd. del Rosario. Nov. 1934

Albumin. See Physiological Aspects, albumin

BIBLIOGRAPHY OF SWIMMING

Aldrich, Edith A. Relation of buoyancy to the learning rate in beginning swimming. Thesis. Univ. Iowa. 1935

Alexander, A. Music drill for infants. Philip. 1889

Alexander, Becker and Schoepple, Inc.; Bacharach, E. W., and Company; and Bintz, W. Swimming pool design and consultation. Municipal Ind. p501; 566-7; 570. 1931

Alexander, Becker and Schoepple, Inc.; Bacharach, E. W., and Company; Bintz, W.; Graver Corporation; and Lord and Burnham Company. Swimming pool designing and consultation. Municipal Ind. p456; 474; 522-4; 527; 594-5; 742-3. 1930

Alexander, Becker and Schoepple, Inc. and Bintz, W. Swimming pool design and consultation. Municipal Ind. p524; 545. 1932

Alexander, H. W. Asphalt bottom for swimming pool in Manhattan, Kansas. Am. City. June 1924

Algae. See Water Purification, algae control; Water Pollution, from algae growths

Algicides. See Water Purification

Allbaugh, Edgar B. and Thomas, Oren. Economy and efficiency in the boys' showers. Am. School Board J. Jan. 1931

Allen, C. A. Temporary expedient for swimming pool. J. Am. Assoc. Hyg. & Baths. 4:71-73. 1922

Allen, G. E. Diving boys of Honolulu Harbor. (il) Asia. Sept. 1929; also Lit. Dig. Sept. 14, 1929

Allen, H. R. Mechanics and kinesiology of the frog kick as used in the breast stroke. Thesis. Springfield Col. 1933; abstract Beach & Pool. Oct. 1933

Allen, Hazel K. Camps and their modern administration. \$1.75 Womans Press. 1930

Allen, John K. Swimming pools: their construction, mechanical installation, water supply, heating the water, various types of installations adapted to different conditions. (il. charts) 1st ed. 50c Domest. Engin. Co. 1907

—**and King, A. G.** Swimming pools: their construction, mechanical installation, water supply, heating the water, various types of installations adapted to different conditions. (il. charts) 2nd ed. 75c Domest. Engin. Co. 1915

Alphin, Herbert G. Qualifying standards for life guards. Swim. Pool Data & Ref. Ann. 6:67. 1938

Suggestions for annual swim weeks. (il) Swim. Pool Data & Ref. Ann. 5:57-58. 1937

Swimming and life saving of the National Federation of France. Beach & Pool. March 1938

Swimming for leisure. Beach & Pool. April 1935

Swimming pool in the recreational program. Beach & Pool. May 1934

Swimming pool on the playground. (il) Recrea. June 1935

Swimming pools in Europe. J. Health & Phys. Educ. May 1937

Allsop, Robert Owen. Public baths and washhouses. \$2.50 Spon

Alphonse, Henri Francois. English seamen and divers. 322p Chapman & Hall. 1868

Alsop, G. F. Water route to health. Woman's Home Comp. Aug. 1926

Alt, H. Humidification and its cost. Heat. & Ventil. June 1927

Altmann, G. J. and Drew, Gwendolyn. Units of activity in swimming and life saving. Mimeo. 75c 44p Kent, Ohio. The Authors. 1935

Alum. See Water Purification, alum in

Amateur Athletic Union of the United States. Rules for swimming, diving, water polo. (Spalding's Athletic Library). Annual since 1932

Previous to 1932 aquatic section included in A.A.U. handbook of all sports. 15c Am. Sports Pub.

—national A.A.U. swimming championships. [Robert J. H. Kiphuth] Beach & Pool. Jan. 1935

—results of the A.A.U. national championship swimming meet for women, July, 1935. Time. July 29, 1935

—swim honors to Misses Kompa and Dozier; Manhattan Beach, N.Y., pool scene of triumph in first outdoor official A.A.U. meet of N.Y. season. Beach & Pool. June 1935

Amateur Athletic Union of the United States Meets. See Meets, A.A.U.

Amateur Diving Association of England. Control of the sport (diving). Swim. Times. May 1935

Amateur Swimming Association of England. Annual report and balance sheet, tabulated records and complete agenda to date. Pa. 138p A.S.A. 1936

Diving manual. 2s. 6d. A.S.A. 1937

Swimming and swimming strokes. 1st, 2nd and 3rd eds. 2s. Simpkin, Marshall. 1921, 1931, 1935

Swimming instruction. 1s. 64p Simpkin, Marshall. 1937

1st ed. 1919. Re-written 1930. Rev. 1934. Re-written 1937.

Teacher's certificate for swimming. A.S.A.

—A.S.A. diving championships of England, 1935. [G. la C. Baudains] Swim. Times. Aug. 1935

—come to Blackpool: first Amateur Swimming Association Championships festival. [John Hodgson] Swim. Times. June 1935

—a New Year's message from the president. [R. G. Jordan] Swim. Times. Feb. 1936

—second centralised championships of. [Gilbert Collins] Swim. Times. Aug. 1936

Amateur Swimming Association of England Meets. See Meets, A.S.A.

Amateurs. See Professionals and Amateurs

America vs. Japan. See Meets, Japan vs. America; Speed Swimming, American and Japanese

American Association for Health and Physical Education, National Section on Women's Athletics. Aquatics for women and girls, official swimming rules. (Spalding's Athletic Library no125R). Am. Sports Pub. 25c Annual 1931-1935. Published in 1931 and 1932 under title Aquatics; eds. of 1933 and 1934 and 1935 supplement under title Water Sports.

Water sports. (Spalding's Athletic Library no125R). See previous entry

American Association for Promotion of Hygiene and Public Baths. American Association for Promotion of Hygiene and Public Baths, proceedings of annual meetings, 1920-24. Am. Assoc. Hyg. & Baths

American Boy Magazine, Staff, compilers for Kellogg Company. See Kellogg Company

American Medical Association. Community swimming pool. 5c. A.M.A. 1937

American-Moninger Greenhouse Manufacturing Corporation and Lord and Burnham Company. Glass swimming pool enclosures. Municipal Ind. p666-7; 670; 772. 1931

American Olympic Committee. Report of the American Olympic Committee: games of the XIth Olympiad. \$2 491p Am. Olympic Comm. 1936
Chapters on Swimming, Diving and Water Polo are listed by chapter title under Olympics.

Report of the American Olympic Committee: Antwerp, 1920. Am. Olympic Comm. 1920
Section on Swimming by Otto Wahle, representative, p246-61.

American Physical Education Association, National Section on Women's Athletics. See American Association for Health and Physical Education, National Section on Women's Athletics

American Playground Device Company. Swimming pool equipment. Municipal Ind. p526-9. 1932; p452-3. 1933

—**Chicago Hardware Foundry Company; Claw-National; Everwear Manufacturing Company; Scaife, Wm. B., and Sons Company; and Spalding, A. G., and Brothers.** Swimming pool equipment. Municipal Ind. p269; 504; 564-5; 571; 573; 673; 753-6; 758-9; 774; 789. 1931

—See Spalding, A. G., and Brothers, jt. auth.

American Public Health Association. Standards for design, construction, equipment and repair of swimming pools and other public bathing places. Am. J. Pub. Health. Dec. 1926

—and **American Water Works Association.** Standard methods for the examination of water and sewage. 8th ed. \$2.50 309p Am. Pub. Health Assoc. 1936
6th ed. \$2 119p 1925; 7th ed. \$2 180p 1933

—and **the Conference of State Sanitary Engineers, Joint Committee on Bathing Places.** Swimming pool design and construction; modern practice outlined in committee report presented at the Conference of State Sanitary Engineers, June, 1926. Water Works. Jan. 1927

—and **the Conference of State Sanitary Engineers, Joint Committee on Bathing Places.** Swimming pools and other public bathing places: progress report of the Joint Committee on Bathing Places
This report was published first in 1926. 45p. Progress reports have been issued annually. Am. Pub. Health Assoc. The report appears annually in American Public Health Association Year Books, American Journal of Public Health, Journal of the American Association for Promotion of Hygiene and Public Baths, Swimming Pool Data & Reference Annual and in other periodicals. Reprints have been issued by several State Departments of Public Health and by Wallace & Tiernan Company, Inc.

American Red Cross. American Red Cross life saving service. Free. A.R.C. May 1926
Artificial respiration: prone pressure method. Poster. Free. A.R.C.
Can you swim? Why not? Poster. A.R.C.
First aid and life saving institutes. Annual. A.R.C.
First aid and life saving instruction for 1929. A.R.C. 1929
First aid and life saving service: report of yearly activities. 7p (varies) A.R.C.
Paper reprint from annual report of the American National Red Cross.
Instructor's manual. Standard and advanced senior first aid courses. 48p A.R.C. Feb. 1929
Junior life saving crews for boys and girls. Free. A.R.C.
King Neptune's cure for piracy. Free. A.R.C.
Learn to swim. Poster. Free. A.R.C.
Life saving and water safety. (il) 60c 267p Blakiston. 1937
Life saving contest rules. Free. A.R.C.
Life saving corps for men and women. Free. A.R.C.
Life saving: row—throw—go—tow. Poster. Free. A.R.C.
National aquatic schools. Annual since 1931. Free. A.R.C.
Publicity bulletin.
Red Cross life saving methods. Rev. Free. 28p A.R.C. March 1932
Rules governing life-saving contests. Am. Phys. Educ. Rev. June 1928
Standard swimming course of the first aid and life saving institute. A.R.C.
Rev. regularly.
Swimming. Mimeo. A.R.C. 1934

BIBLIOGRAPHY OF SWIMMING

American Red Cross—Continued

- Swimming and diving. (il) 60c. 271p Blakiston. 1938
- Swimming and life saving land drills. Free. A.R.C.
- Swimming for health, safety and fun. Free. A.R.C. 1925
- Water games; mass games; team games; individual competition. Mimeo. Free. 5p A.R.C.
- Waterfront protection for the summer camp. Free. A.R.C. Rev. regularly.
- educational values of program. [H. G. Metcalf] Am. Phys. Educ. Rev. April 1925
- life saving and water safety, with a brief discussion of the early history and work of the American Red Cross. [Gustave L. Stecher] Mind & Body. July 1926
- Red Cross Life Saving Corps of New England. First annual conference. Am. Swimmer. Feb. 1922
- twelve hour course in life saving. [W. E. Longfellow] Am. Swimmer. Jan-May 1922
- 20 years of life saving service. [W. E. Longfellow] Beach & Pool. March-April 1934
- See Camp Fire Girls, Inc. jt. auth.
- See Cureton, T. K. jr. author for

American Red Cross Aquatic Schools. See Aquatic Schools, American Red Cross

American Red Cross Life Saving Techniques. See Life Saving, American Red Cross; Safety

American Red Cross Programs. See Curricula, American Red Cross

American School of Correspondence. Cyclopedie of heating, plumbing and sanitation. (il. with over one thousand engravings) 4v Am. School Corresp. 1909

American Society of Heating and Ventilating Engineers. Code of minimum requirements for the heating and ventilation of buildings, adopted June, 1925. Loose-leaf. Am. Soc. Heat. & Ventil. Engin. 1929

American Steel and Wire Company. Manual of American Steel and Wire Company's process of water purification with sulphate of iron. 152p Am. Steel & Wire Co. 1916

American Water Works Association. Census of municipal water purification plants in the United States, 1930-1931. 146p Am. Water Works Assoc. 1933

- See American Public Health Association, jt. auth.

Amersback, K. Schwimmbad-Tubenkatarrh. Deutsche med. Wchnschr. Aug. 4, 1921

Ammon, Octave. Design of a natatorium for the Ohio State University. Thesis. Ohio State Univ. 1925

Ammoniation. See Water Purification, chlorination and chlorine-ammonia process

Analysis. See Speed Swimming, analysis of; Strokes; Teaching; Water Analysis

Ancient History. See History, ancient

Anderson, Charlotte W. Achievement records in swimming. J. Health & Phys. Educ. May 1930

Value of swimming in the correction of scoliosis. Thesis. Univ. Wisconsin. 1928

Anderson, R. A. Very efficient type (filters). J. Roy. Army M. Corps. March 1933

Andrews, Earle and Whalen, Grover A. Aquatics and playgrounds features of World's Fair. Beach & Pool. June 1937

Andrews, W. D. Swimming and life-saving. 136p Briggs. 1899

Andruos, G. C. and Birkman, F. W. Fungus infections of feet; observation of their incidence in school in New York City. New York State J. Med. Aug. 15, 1931

Animals, Swimming Techniques

- die Bewegung der Tiere (movement of animals). [Giovanni Alfonse Borelli] 69p Akadem. Verlagsgesellschaft. 1927
- nervous mechanism of swimming studied in cat. [G. Simonelli] Arch. di fisiol. Oct.-Dec. 1927
- swimming powers of animals. [P. Fountain] Living Age. May 21, 1904
- swimming school for horses. (il) [W. G. FitzGerald] Roy. Mag. July 1903

Annison, Harold E. Swimming. 2s. 6d. Pitman. 1936

Anthony, I. W. See Kistler, G. jt. auth.

Anthony, R. and Brouardel, G. Anthropologie hygiène individuelle, piscines, éducation physique. 2nd ed. Baillière, Tindall & Cox. 1930

Approaches. See Diving, approaches; Life Saving

Aquaplaning. See Recreational Swimming, aquaplaning

Aquatic Conference of the South

- Aquatic Conference of the South. [Frances A. Greenwood] J. Health & Phys. Educ. March 1937

Aquatic Schools, American Red Cross

- See also Life Saving, American Red Cross
- advantages of Red Cross Institutes. [Charles B. Scully] Beach & Pool. July 1932
- digest of the Second Annual Northwest Institute held at the Seattle, Washington, Y.M.C.A. December 12, 1936. Beach & Pool. Feb. 1937
- first aid and life saving institutes. [American Red Cross] Annual. A.R.C.
- first aid nurse at a life saving institute. (il) [M. Stimson] Pub. Health Nurse. Aug. 1928
- hero becomes Red Cross instructor. [George A. Cooper] Red Cross Cou. May 1, 1925
- learning to save lives; Red Cross Aquatic Schools. (il) [Frank Howard Richardson] Hygeia. July 1937

—Los Angeles Aquatic Institute, report of. [Howard T. Ploessel] Beach & Pool. Jan. 1936

—National Aquatic Schools. Beach & Pool. May 1936

—National Aquatic Schools. [American Red Cross] Publicity bulletin. Free. A.R.C. Annual since 1931

—National Aquatic Schools, 1935. Beach & Pool. May 1935

—standard swimming course. [American Red Cross] Rev. regularly. A.R.C.

Arbeiter-Turn-und Sportschule. Sommerbaeder-entwurfe. Arbeit-Turn-und Sport.

Arbuckle, Virginia. Evolution of speed swimming strokes. Thesis. 82p West Virginia Univ. 1936

Archimedes. Weight in water. Sc. News Letter. April 28, 1928
Extract from The Works of Archimedes. On Floating Bodies, Book I, Proposition 7. T. L. Heath, ed. Cambridge, Eng. 1897.

Architectural Plans for Pools. See Pools and Bathing Places, Construction of, designs for

Arizona State Board of Health. Swimming pools and other public bathing places. Free. Arizona State Board Health. 1937

Arkansas State Board of Health. Sanitation of public swimming pools and bathing places. Free. Arkansas State Board Health. 1938

Armbruster, David A. Ideas and opinions. Beach & Pool. Feb. 1938
 Method for rating efficiency in swimming on the basis of cardiac response. Thesis. Univ. Iowa. 1931
 Physical education and swimming. Swim. Oct. 1924
 Swimming in public schools. Swim. Jan. 1925
 Teaching beginners to swim; a physical, physiological, and psychological method. J. Health & Phys. Educ. April 1936
 —and Sieg, Jack. Dolphin breast stroke. J. Health & Phys. Educ. April 1935

Armstrong, T. G. What a learn-to-swim campaign can do. Beach & Pool. July 1931

Army Post Pools. See Pools and Bathing Places, Army post

Arnold, A. Zur Physiologie des Schwimmens. Gesundh. u. Erziehg. Feb. 1937

Arnold, E. H. Swimming holes, old and new! With rules for bathing. Hygeia. Aug. 1926

Arthritis. See Corrective Swimming, for arthritis; Spas

Artificial Respiration. See Resuscitation

Ashpitel, Arthur and Whichcord, John. Baths and washhouses; their history, and an account of the baths of the ancients. London. 1853

Asphalt for Pool Construction. See Pools and Bathing Places, Construction of, asphalt for

Asphyxiation. See Resuscitation, asphyxia

Associations*
 See also under names of specific organizations, for example: Amateur Swimming Association of England
 —associated swimming clubs of New York. Beach & Pool. May 1937
 —hopes for a National Swimming Club for college women. [Mary A. Flom] Sportswoman. June 1, 1926
 —leader's swimming club for business girls and women. [M. B. Spector] Recrea. June 1932
 —national group affiliations for water safety. [H. F. Enlows] Red Cross Cou. June 1, 1925
 —National Swimming Club. [Marcella R. Steel] Sportswoman. April 1927
 —Tokyo's bath clubs. [S. Nakano] Trans Pacif. Oct. 30, 1926

Aston, Lewis W. Causes of cramps—effect and prevention. Swim. Jan. 1917

Atherton, W. Development in swimming pool construction. J. Am. Assoc. Hyg. & Baths. 4:27-35. 1922; also Beach & Pool. April 1927

Athlete's Foot. See Diseases, skin

Atkin, F. L. Gas and coke for central heating and hot-air generation. Baths & Bath Engin. Dec. 1937

Atkinson, Leroy and Lake, Austen. Famous American athletes of to-day. 3rd series. 346p Page. 1932
 1st, 2nd and 4th series by Charles H. L. Johnston.

Atlas Portland Cement Company. Construction of swimming pools and the use of white Portland cement for appearance. Atlas Portland Cement Co.

Attendance at Pools. See Pools and Bathing Places, Operation of, attendance; Publicity, increasing attendance

Auerbach, W. Das Schwimmen (mit 22 Figuren und 2 Tafeln). 2nd rev. ed. 114p Stubenrauch. 1873

Augé, P. See Doyen, Louis, jt. auth.

Aural Diseases. See Diseases, ear

Aust, Ruth. Some observations on muscle training under water. Physiotherapy Rev. March-April 1933
 —See Lowman, C. L. jt. auth.

Austen, R. G. In chilly Quebec. Swim. Times. Aug. 1934

Austin, Ethel. Cloud fantasy. Lit. Dig. Aug. 27, 1932
 In the lake. Lit. Dig. Aug. 27, 1932

Austin, H. R. How to swim. 2s. 6d. Methuen. 1928
 New methods of the sterilization of swimming pool water. A verbatim report of the 1937 meeting, and supplementary discussion session, of the National Association of Bath Superintendents, Inc. (England) (diag) Swim. Pool Data & Ref. Ann. 6:50-54. 1938

Australia. See Competition, in Australia; Life Saving, Australian

Autrey, Elizabeth. "C" health swimming. Water Sports. p34-5. 1935-36
 Swimming intramurals. Water Sports. p34. 1935-36

* See also Appendix A. Organizations Promoting Swimming.

BIBLIOGRAPHY OF SWIMMING

Ayars, J. S. Tenth Olympiad at Los Angeles. Ath. J. Feb. 1932

Aycock, Thomas M. Analysis of the respiratory habits of trained swimmers. The crawl and breast stroke. Thesis. Univ. Iowa. 1931

—**Graaff, Loren H. and Tuttle, W. W.** Analysis of the respiratory habits of trained swimmers. Res. Quart. May 1932

B

Bacci, A. De thermis. 1571

Bacharach, E. W. and Company. See Alexander, Becker and Schoepp, Inc. jt. auth.

Bacharach, E. W. and Company; Bintz, W. and Darlington, F. W. Swimming pool design and consultation. Municipal Ind. p281; 285; 467. 1933

Bacharach, E. W. and Company; Ficlor Company; Pardee Engineering Company; Permutit Company, and Wallace & Tiernan Company, Inc. Swimming pool sterilization. Municipal Ind. p266-7; 281; 299; 300; 310; 382. 1933

Bacharach, E. W. and Company; Graver Corporation; International Filter Company; Paragon Manufacturing Company; Permutit Company; Roberts Filter Manufacturing Company; Scaife, Wm. B., and Sons Company; and Wallace & Tiernan Company, Inc. Swimming pool sterilization. Municipal Ind. p370-1; 413; 417; 456; 474; 476; 487; 489; 491; 517-19; 527; 529-30; 598-9. 1930

Bacharach, E. W. and Company; Hydrozone Company, Inc.; International Filter Company; Norwood Engineering Company; Paragon Company; Permutit Company; Scaife, Wm. B., and Sons Company; and Wallace & Tiernan Company, Inc. Swimming pool sterilization. Municipal Ind. p454-7; 501; 520; 528-9; 541; 572-4; 682. 1931

Bachrach, William and Bush, Clarence A. Outline of swimming, an encyclopedia of the sport. \$3 224p Bradwell. 1924

Bachstrom, Jean Frederic. L'art de nager; ou, Invention à l'aide de laquelle on peut toujours se sauver du naufrage &, en cas de besoin, faire passer les plus larges rivières à des armées entières. 70p Chatelain. 1741

Bacillus Coli. See Water Analysis, bacteriological; Water Pollution, from bacillus coli; Water Purification

Back Crawl Stroke. See Strokes, back crawl

Bacon, G. and Pratt, M. Summer symposium: community summer swimming program, Concord, Massachusetts. Far. Mag. June 1937

Bacterial Pollution of Water. See Water Pollution, bacterial

Bacteriological Analysis of Water. See Water Analysis, bacteriological

Badge Tests. See Tests, badge

Baecker, de, committee member. See Congrès International de Sauvetage, Paris, 1889

Baernstein, H. D. See Hellebrandt, Frances A. jt. auth.

Baetz, A. Anleitung für den Schwimmunterricht an die Mannschaften bei den Heeresabteilungen. 40p Reichel. 1881

Baetzner, W. Sport injuries. Klin. Wchnschr. April 9, 1926

Baeumler, Alfred. See Breitmeyer, Arno, jt. auth.

Bahe, D. V. Comparison of the swimming and games program as given to a group of high school sophomores for the improvement of posture. Thesis. 17p Univ. Wisconsin. 1928

Bahn, C. A. Swimming bath conjunctivitis. New Orleans M. & S. J. Feb. 1927

Bain, James W. and Wigle, A. E. Studies on filtration. 25c 8p Univ. Toronto. 1914

Bair, M. Z. Swimming pool sanitation. South. Med. J. Oct. 1923

Baker, W. P. Application of swimming pool sanitation to public bathing beach. (il) J. Am. Med. Assoc. March 31, 1923

—**and McNabb, P. E.** Chlorinating bathing water. Canad. Engin. Nov. 11, 1924

Practical method for chlorination of water at bathing beaches. J. Am. Assoc. Hyg. & Baths. April 1924

Bakhoven, W. A. L. See Sardjito, M. jt. auth.

Balan, N. P. Experimentelle Untersuchungen über den Tod durch Ertrinken. Deutsche Ztschr. f. d. ges. gerichtl. Med. 22:167-77. 1933

Baldry, E. S. K. Dive better. Pa. 1s. Simpkin, Marshall. 1936

Swim better. 1s. Simpkin, Marshall

Ball, W. H. Cleaning a swimming pool. Mind & Body. Dec. 1914

Life saving pentathlon. Phys. Train. Oct. 1915

New swimming rules. Phys. Train. Jan. 1918

1923 swimming pentathlon. Phys. Train. Nov. 1923

Study of the construction of swimming pools. Assoc. Press

Summary of swimming committee's report of 1919. Phys. Train. Jan. 1920

Swimming for camps. Assoc. Boys. June 1911

Swimming pentathlon. Phys. Train. Sept. 1920

Teaching North America to swim. Assoc. Men

Ballard, S. J. Swimming pool hints and water analysis: its classification and meaning. Columbia University, Dept. Chem. Engin.

Bamberger, Julian M. Latest developments in the control of algae growths and their tastes and odors. Beach & Pool. Jan. 1938

Water fit to drink. Beach & Pool. Feb. 1932

Winning the confidence of the public by efficient pool management. Municipal Sanit. Aug. 1931

Bancroft, J. H. and Pulvermacher, W. D. Handbook of athletic games for players, instructors and spectators: track and field, athletics, swimming. Macmillan. 1923

Bancroft, L. Pools in parks and playgrounds. Canad. Engin. Sept. 13, 1932

Banerji, N. L. Influence of hydrogen ion concentration of dose of alum and mechanism of action of alum in clarification of natural waters. Indian J. M. Research. Jan. 1924

Banks, T. R. Sterilization of swimming pools. (il) Swim. Pool Data & Ref. Ann. 5:27-29. 1937

Barbee, F. H. How Kansas City operates its school laundries. (il) Nation's Schools. Feb. 1929

Barbour, R. H. Book of school and college sports. \$1.75 Appleton-Century. 1904

Barksdale, I. S. Treatment of ringworm of feet and toes. Med. J. & Rec. Oct. 18, 1933

Barnes, Gerald. How to save a drowning person. Lit. Dig. April 7, 1923

Swimming and diving. 3rd ed. \$1.50 140p Scribner's. 1933

1st ed. 1922; 2nd ed. 1927.

Barnett, Donald H. Water safety: life saving and swimming in Chicago and the Mid-West. Beach & Pool. Oct. 1937

Barone, V. G. Influenza del bagno di mare e del bagno di sole sul tasso glicemico e sul valore refrattometrico del siero di sangue. Fisiol. e med. Aug. 20, 1931

Influenza dell'ortostatismo, della fatica del bagno di sole e del bagno di mare, sulla diuresi spontanea e sulla diuresi provocata. Fisiol. e med. Aug. 20, 1931

Barousch, J. Das Amalienbad der Stadt Wien. Ztschr. des Oester. Ing. Architek. July 9, 1926

Barr, D. P. Exercise in cardiac disease. J. Am. Med. Assoc. Nov. 3, 1928

Studies in physiology of muscular exercise; blood reaction and breathing. (chart) J. Biol. Chem. May 1923

—See Himwich, H. E. jt. auth.

Barr, Margaret C. Résumé of the physical education activity program in colleges for women. Res. Quart. Oct. 1933

Barraud, G. Action physiologique et thérapeutique des bains de mer. Progrès méd. Aug. 19, 1933

Barron, Hunter J. Amateur swimming at the present day. Field. Dec. 22-29, 1883; reprint 12p Swim. Assoc. Great Britain & Otter Swim. Club. 1884

Barrow, W. H. Life saving work and its relation to general athletic and swimming problems in camp and school. Mind & Body. May 1922

Barry, C. E. Operating a public swimming pool. Canad. Engin. Feb. 25, 1930

Barsekow, M. Die Nielsensche Methode der künstlichen Atmung. Leibesübungen. Dec. 5, 1934

Barsini, G. Rilievi sulla ricerca quantitativa dei germi regli esami batteriologici di acqua. Diag. e tec. di lab. June 25, 1936

Bartelmann, H. Die Wirkung warmer See- und Mooräder auf den Respiratorischen Stoffwechsel. Ztschr. f. d. ges. phys. Therap. 43:291-300. 1932

Bartlett, J. T. Indoor swimming pool built and operated by ice company. Engin. & Contract. June 25, 1924

Bartlett, John. Discourse, on the subject of animation. 40p Thomas & Andrews. 1792

Barton, Lucy. Lake—an outdoor summer play—a play on water safety. Saf. Educ. May 1927

Bartsch, Robert von. Handbuch für den Schwimmunterricht zum Gebrauche an Militärschwimmanstalten. 31p Mitler. 1894

Baruch, Simon. Correct shower bath. J. Am. Med. Assoc. June 1918

Base Exchange Material and Equipment for Water Softening. See Water Softening, base exchange material and equipment for

Bashore, H. B. Sanitation of recreation camps and parks. 103p Wiley

Batchelor, W. C. Swimming pool construction. Am. City. April 1926; reprint 10c 4p N.R.A. 1926

Bathhouses. See Pools and Bathing Places, Construction of; Pools and Bathing Places, Operation of; Pools and Bathing Places, Sanitation of, bathhouses; Regulations; Regulations, state; Shower Baths

Bathing Suits. See Suits and Towels

Batten, Mabel Veronica. Advice for beginners. Badminton Mag. Sept. 1896

Baudains, G. la C. A.S.A. diving championships of England, 1935. Swim. Times. Aug. 1935

Diving—do's, don'ts and hints. Swim. Times. no 1-9. Aug., Oct., Dec. 1935; Feb., April-Aug. 1936; no 10. XIth Olympiad—diving championships. Sept. 1936; no 11-13. Oct. 1936; April-May 1937

Pete Desjardins' tour, 1934. Swim. Times. Dec. 1934

Baudouin, G. Les bains de mer pour enfants en France. Arch. M. Hydrol. Aug. 1930

Bauer, A. D. committee member. See U.S. Bureau of Mines, Committee on Oil Pollution

—See Lane, F. W. jt. auth.

BIBLIOGRAPHY OF SWIMMING

Bavone, A. L. State-wide supervision: will it safeguard the pool and public? Beach & Pool. Feb. 1932

Baxter, F. Swimming instruction. J. Sc. Phys. Train. 34:24. Dec.(?) 1919

Baylis, John R. Elimination of taste and odor in water. \$5 392p McGraw-Hill. 1935

—See Spector, Bertha Kaplan, jt. auth.

Bazett, H. C. Studies on effects of baths on man; relationship between effects produced and temperature of bath. (charts) Am. J. Physiol. Oct. 1924

—**Scott, J. C.; Maxfield, M. E.; and Blithe, M. D.** Effect of baths at different temperatures on oxygen exchange and on circulation. Am. J. Physiol. May 1937

—**Thurlow, S.; Crowell, C.; and Stewart, W.** Studies on effects of baths on man; diureses caused by warm baths, together with some observations on urinary tides. (charts) Am. J. Physiol. Oct. 1924

Beach. See Steinhälder, jt. auth.

Beaches. See Pools and Bathing Places, beaches and water fronts; Pools and Bathing Places, Operation of, beaches; Pools and Bathing Places, Operation of, combination beach and pool; Pools and Bathing Places, Sanitation of, beaches; Surf Swimming

Beadenkoff, T. M. Portable shower baths in Baltimore. (il) Surv. July 31, 1909

Beale, Alfred M. A. Calisthenics and light gymnastics for home and school. (il) 159p Excelsior. 1888

Beale, J. F. See Thresh, J. C. jt. auth.

Beals, F. L. Learning to swim on dry land. Health. June 1923

Beard, D. How to make poles, slings, and chump's rafts for bathers. Outing. Aug. 1905

Beard, L. Water toys. Delineator. June 1905

Beaton, Daniel. Easy hints on swimming. 3d. 8p Hamilton. 1885(?)

Beattie, J. M. Bacteriological examination of water; fallacies of occasional examination. Lancet. Dec. 20, 1930

Beattie, Thomas. Baths, bathing beaches and bathing stations in Germany. Baths & Bath Engin. June 1937

Swimming baths in Germany: design and development. Municipal Engin. May 20, 1937

Beaumont, R. H. jr. Sanitation of the private swimming pool. (il) Hygeia. June 1933

Beaurepaire, Frank. Australia's young swimmers. Swim. Times. Sept. 1937

Changes in swimming strokes: trudgen and the crawl. Swim. Times. May 1934

Beauty. See Values, for beauty

Beazell, W. P. Therapeutic uses of swimming. Beach & Pool. April 1936

Bebington, A. Law relating to rivers pollution prevention. M. Officer. Jan. 7, 1928

Beck, A. Erfahrungen bei der hygienischen Überwachung eines mit einer Chlor-Silber - Kupfer- Entkeimungsanlage ausgestatteten Hallenbades. Arch. f. Hyg. 109:189-98. 1932

Vergleichende bakteriologische Untersuchungen über die Wirksamkeit des Chlor-Silber-Kupfer -Entkeimungsverfahrens bei der Badewasserreinigung. Arch. f. Hyg. 109:177-88. 1932

Beck, K. Ueber das Verhalten von Schwimmern nach Vestibularreizung. Ztschr. f. Laryng. Rhin. Jan. 1930

Becker, W. A. Pool design and construction. Beach & Pool. Nov. 1928

Question of swimming load capacity. Beach & Pool. May 1931

Some features of swimming pool designs. J. Am. Assoc. Hyg. & Baths. March 1931; also Beach & Pool. July 1931

Swimming pool design features. Canad. Engin. July 21, 1931

—See Elzner, Anderson, jt. auth.

Beckwith, Clara. Learn how to swim; pointers about swimming and aquatics; the autobiography of a professional swimmer; hints and suggestions to beginners; a brief treatise on swimming. (il) 42p Day. 1893

Bedale. Treatise on drowning prevented by floating in the water without motion. 8p Jacques. 1848

Bedford, T. G. Modern principles of ventilation and heating. \$1.75 Lewis. 1937

Beebe, W. Thoughts on diving. Harper's Mag. April 1933

Beechner, Ralph W. Safety in swimming. Ath. J. June 1937

Beeton, S. O. Swimming and diving. Boy's Own Mag. 1855 (?)

—and others. Boy's shilling book of sports. Warne. 1866

Beggs, E. W. Under-water lighting of swimming pools. (il, diagrs) Engin. News. May 16, 1929; also Am. Architect. Oct. 1929

Beginners. See Diving, beginners; Recreational Swimming, games for beginners; Teaching, beginners

Behrman, A. S. Water purification by electroosmosis. Indust. & Engin. Chem. Nov. 1927

Beier, F. J. Progressive steps in teaching of swimming. Thesis. Springfield Col. 1918

Bell, Ernst. Handbook of athletic sports: rowing and sculling, sailing, swimming. Bell. 1890

Bell, John. Dietetical and medical hydrology: a treatise on baths, including cold, sea, warm, hot, vapour, gas, and mud baths; also, on the watery regimen, hydropathy, and pulmonary inhalation; with a description of bathing in ancient and modern times. 658p Barrington & Haswell. 1850

Belliston, C. F. Study of swimming in Utah: drowning, legislation, swimming pools and programs, and suggested plays for an outdoor municipal pool. Thesis. Univ. Oregon. 1936

Bellot. La surveillance médicale en éducation physique. La fiche physiologique. *Gaz. méd. de France* (Supp. Arch. droit climat. et hyg.) Sept. 1, 1932

Bellows Method of Artificial Respiration. See Resuscitation, history and historical material

Bemiss, Homer. See Pacific Camp Directors' Association, jt. auth.

Bengtson, Bengt Normal. Indoor and outdoor swimming pool sanitation. *Nation's Health*. Feb. and April 1927; also *Am. Phys. Educ. Rev.* Nov. 1927

Practical sanitation of swimming pools. With especial reference to the swimmer, the water, and the tank. Thesis. Univ. Illinois. 1926

Value of underwater lighting in outdoor swimming pools. *Nation's Health*. Nov. 1926

Benjamin, J. A. Swimming baths in Leicester. *Baths & Bath Engin.* Sept. 1937

Benjamins, C. E. Swimming and blood pressure. *Nederl. tijdschr. v. geneesk.* Sept. 14, 1929

Bennett, C. B. Milwaukee's lake-front accomplishments. (il, map) *Am. City*. Aug. 1937

Bennett, James Arlington. Art of swimming exemplified by diagrams from which both sexes may learn to swim and float on the water; and rules for all kinds of bathing in the preservation of health and cure of disease, with the management of diet from infancy to old age, and a valuable remedy against sea-sickness. 103p Collins Bros. 1846

Bennett, Laverne Means. Study of some of the possible factors influencing success in learning to dive. Thesis. 113p Univ. California, Berkeley. 1936

Benoit, M. Piscines de Paris: sont-elles un danger social? *J. d. praticiens*. April 12, 1930

Bentley, G. Successful management of large pool attendance. *Beach & Pool*. Oct. 1927

Benton, Rachel Jane. Study of the respiratory habits of trained women swimmers. The crawl stroke. Thesis. Univ. Iowa. 1932

Berlin, Lewis L. Origin of swimming fears; a psychogenetic study. Thesis. New York Univ. 1933

Berliner, J. F. T. Use of chloramine in treatment of pool water. *Beach & Pool*. Feb. 1931

— and Howe, A. E. Advantages of the ammonia-chlorine treatment of water. *Am. City*. Oct. 1931

Bermuda, Competition In. See Competition, in Bermuda

Bernardi, Oronzio de. Arte de nadar compendiado. 190p Alban. 1807
L'uomo galleggiante; o sia, L'arte ragionata del nuoto. 260p 1794

Vollständiger Lehrbegriff der Schwimmkunst auf neuen Versuche über die spezifische Schwere des menschlichen Körpers gegründet. 2v 251p, 242p Indus.-Comp. 1797
Translated from the Italian and accompanied by notes by Friedrich Kries, professor at the Gymnasium at Gotha.

Berndt, E. C. Residual germicidal action of water treated with ultra-violet rays. *J. Am. Assoc. Hyg. & Baths*. April 1927

Ultra-violet ray system of water purification. *Beach & Pool*. Aug. 1927

Bernstein, F. Zur Frage des Badetodes (Bemerkungen zu dem Artikel von Dr. Grassl) *München. med. Wchnschr.* Nov. 18, 1932

Bernrop, J. C. jr. Disease symptoms of bathers in North Sea caused by contact with jelly-fish. *Nederl. tijdschr. v. geneesk.* May 12, 1934

Berry, A. E. Summer camp sanitation. *Am. J. Pub. Health*. June 1928

Berry, Charles F. Aquatic features to be part of San Francisco's Golden Gate International Exposition in 1939. *Beach & Pool*. Feb. 1938

Berthillot, François. Manuel pratique de natation. 111p Georg. 1889

Bertschler, F. L. Completely equipped municipal plunge, Beaumont, Texas. *Am. City*. Feb. 1927

Besslievre, E. B. Screening sewage to protect bathing beaches. (il) *Am. City*. June 1927

Bessem, N. Weil's disease probably due to infection while swimming. *Geneesk. tijdschr. v. Nederl.-Indië*. Oct. 20, 1936

Best, F. Ueber Schwimmbadkonjunktivitis. *München. med. Wchnschr.* April 28, 1922

Betelle, J. O. Planning and construction of swimming pools. *Architect. Forum*. Sept. 1926
When you plan that pool. *Beach & Pool*. Dec. 1932

Bethea, H. New swimming pools in Birmingham, Alabama. *Am. City*. April 1922

Bethlehem Plan for Pools. See Pools and Bathing Places, Construction of, Bethlehem plan for

Beveridge, P. H. Harold "Dutch" Smith tour 1936. *Swim. Times*. Oct. 1936
Highgate Diving Club European tour, June, 1935. *Swim. Times*. Aug. 1935

Beyer, H. G. Physiology of bathing and swimming. *Med. Age*. Sept. 25, 1896; *reprint* 18p 1896

Bibbero. Lessons on swimming. 3d. Chalfont. 1871; also 6d. Crown Pub. Co. 1884

Biblical References. II. Kings, 6:6; Ezekiel, 47:5; Psalms, 6:6; Isaiah, 25:11; Ezekiel, 32:6; The Acts, 27:42

BIBLIOGRAPHY OF SWIMMING

Bickel, H. A. Games and stunts. *Beach & Pool*. Jan.-Mar. 1936

—(comp) Syllabus of tag, group and swimming games. Coatesville Y.M.C.A. 50c 1932

—(comp) Wow! Stunts and games
An article appeared under this title in each issue of *Beach & Pool* during 1935. Each article contained several games and stunts.

Bidault des Chaumes, A. Piscine et les bains—douche municipaux de la Butte. Génie Civil. July 19, 1924

Bieling. Ernährung und Stoffwechsel im Sport. *Fortschr. d. Therap.* July 25, Aug. 10, 1927

Bierenbroadspot, J. A. C. How Holland finances swimming pools. *Beach & Pool*. Dec. 1932

Bierring, W. L. and Wieters, A. H. Stream pollution control in Iowa. *Proc. Conf. State & Prov. Health Author. North America*. 51:48-52. 1936

Bigger, J. W. and Griffiths, L. L. Disinfection of water by Catadyn process. *Irish J.M. Sc.* Jan. 1933

Bike, Edward L. Contributions of college intramural activities to post-college recreational activities of Williams College graduates of the classes of 1920, 1925, and 1930. Thesis. New York Univ. 1931

Bilik, S. E. Is swimming harmful? *Ath. J.* Sept. 1933

Billings, C. Hazardous summer days. (il, tables) *Hygeia*. July 1934

Billington, David. How to become a good swimmer. *Hutchinson*. 2s. 6d. 1931

Bingham, C. F. Some practical aspects of handling chlorine. *Baths & Bath Engin.* July 1936

Bintz, W. Old swimming hole turns modern in the interest of sanitation. (il) *Am. City*. Oct. 1930

Public swimming and wading pool at Pontiac, Illinois. *Am. City*. April 1926

Relation of swimming pools to recreation programs. *Beach & Pool*. May 1931

Riley's 'ole swimming pool' made modern. *Beach & Pool*. Sept. 1930

Swimming pool design and maintenance. *Domest. Engin.* Feb. 26, 1927

Swimming pools. *Playground*. Aug. 1925

—See Alexander, Becker and Schoeppe, Inc. jt. auth.

—See Bacharach, E. W., and Company jt. auth.

Biofilter System of Water Purification. See Water Purification, Biofilter system

Biological Considerations in Diving. See Diving, biological considerations

Biomotor for Resuscitation. See Resuscitation, mechanical devices

Birkman, F. W. See Andruos, G. C. jt. auth.

Birtwistle, H. B. Tile and tile work. *Swim. Pool Data & Ref. Ann.* 4:63-65. 1936

Biscoe, A. E. Royal Life Saving Society. *Swim. Times*. Aug.-Oct. and Dec. 1936 and May, Aug.-Oct. and Dec. 1937

Bishop, E. S. Clothes checking systems. *Notab. Swim. Pools*. 1:98-99. 1933

How to sell your pool to the public. *Beach & Pool*. May 1937

Importance of accurate temperature control of swimming pool water and shower baths. *Beach & Pool*. Sept. 1935

Modern methods of water temperature control for shower baths and pools. *Swim. Pool Data & Ref. Ann.* 4:38-40. 1936

Pumping equipment, its selection and importance. *Swim. Pool Data & Ref. Ann.* 3:37-38. 1935

Bishop, Marie W. Aims of swimming in terms of the seven cardinal principles of secondary education. *Swim. Pool Data & Ref. Ann.* 4:69-70. 1936

Aqueous solutions for Miss America. *Beach & Pool*. March-April 1936

Deep sea-crests. *Saf. Educ.* June 1932

Fish story. *Saf. Educ.* June 1932

King's birthday. *Beach & Pool*. July 1932

New York spends \$300,000 teaching efficient watermanship. *School Manag.* June 1933

New York swims. *Beach & Pool*. April 1933

Program of aquatic education. *Swim. Pool Data & Ref. Ann.* 4:69. 1936

Student's swimming record card. *Beach & Pool*. Aug. 1932

Swimmers' safety pledge. *Hygeia*. Aug. 1932

Bisom, W. See Fuchs, B. jt. auth.

Black, G. S. Sea air and sea-bathing. *London*. 1888

Black, W. P. M. Aquatic sports and pastimes. *J. Phys. Educ.* 1891 (?)

Blackman, Ethel Gentry. Manual of water activities for play and recreation. Thesis. *Peabody Col.* 1931

Bladder. See Diseases, bladder

Blake, Tom. Hawaiian surfboard. 95p *Paradise of the Pacific*. 1935

Riding the breakers. *Pop. Mechan.* July 1937

Blakeway, Charles H. Bathing places in Bedford. *Baths & Bath Engin.* Nov. 1937

Blanc, J. and Blanchard, J. Quelques expériences sur l'eau de boisson épurée par l'autojavelisation imperceptible (système de M. Ph. Bunau-Varilla). *Bull. Soc. d. sc. méd. et biol. de Montpellier*. Feb. 1927

Blanchard, C. K. Summer camps in New Jersey. *Pub. Health News*. April 1927

Blanchard, J. See Blanc, J. jt. auth.

Blanchard, V. S. Swimming as a health education activity. *Detroit Educ. Bull.* May 1931

Blankley, Frank W. Championship performances are publicity and good-will builders for aquatic centers everywhere. *Beach & Pool*. Nov. 1937

Bleibtreu, Ethelda M. Professional swim August 16th at Great Lakes Exposition, \$1,000 first prize. Beach & Pool. Aug. 1937

Blenck, Emil. Die Thätigkeit der Deutschen Gesellschaft zur Rettung Schiffbrüchiger in den Jahren 1865 bis 1891. 17p Koebke. 1892

Blencke, H. Ueber Adduktorenrisse beim Brustschwimmen. München. med. Wchnschr. May 17, 1929

Blind, Karl. Swimming in peace and war with personal experiences. Chambers's J. Aug. 1902

Blind. See Teaching, blind persons

Blithe, M. D. See Bazett, H. C. jt. auth.

Blockside, Ernest Walter. Ships' boats, their qualities, construction, equipment, and launching appliances. 500p Longmans. 1920

Blood. See Diseases, history and historical material; Drowning, blood changes in; Physiological Aspects, blood; Physiological Aspects, blood pressure; Resuscitation

Blood Pressure. See Physiological Aspects, blood pressure

Blouet, G. Abel. Restauration de Thermes d'Antonin Caracalla à Rome. Paris. 1828

Blount, Jimmie
—Jimmie Blount, swimmer. [Sid G. Hedges] Swim. Times. Dec. 1933

Blower, Tom
—how Tom Blower swam the Channel. [L. Pickering] Swim. Times. Sept. 1937

Bluma, G. Deleterious effects of competitive athletics. Albany M. Ann. April 1927

Board, L. M. Chlorinating an open bathing beach. Beach & Pool. June 1932

Boardman, Harry M. Easiest swimming stroke. Mind & Body. Nov. 1930

Regular breathing a physiological necessity. Swim. March 1925

Swimming and swimming programs. Mind & Body. Nov. 1930

Boardman, Robert. Illustrated swimming chart. \$1 ea., \$1.75 for two. Salem, Ore. 2380 Nob Hill. The Author

Teaching your child to swim. (il) Hygeia. July 1932

World's champions run to types. J. Health & Phys. Educ. May 1933

Boards, Diving. See Diving, boards

Boase, A. J. Bath house suggestions. (il, diag) Swim. Pool Data & Ref. Ann. 6:44-45. 1938

Construction and design of pools. (diags) Beach & Pool. Dec. 1937

Construction of watertight swimming pools. Swim. Pool Data & Ref. Ann. 4:27-30. 1936

Design and construction of swimming and wading pools. Beach & Pool. Sept.-Nov. 1935

Bocock, Hobson. Swimming cards; complete self-instructor for both sexes. 3d. Hannan. 1888

Cards enclosed in a case. Each card has two lessons.

Body Weight and Temperature, Influence of Swimming on. See Physiological Aspects, body weight and temperature

Boetter, P. German Society for Public Baths. J. Am. Assoc. Hyg. & Baths. April 1927

Bohdanowicz, Z. Application of new method of purification of water by electricity. Med. doświadcz. i spol. 14:824-26. 1932

Bohling, R. A. Design of a natatorium for the Ohio State University. Thesis. Ohio State Univ. 1923

Bohn's Illustrated Library. See Walker, Donald

Boigey, M. Olympic Games today and yesterday. Living Age. May 17, 1924

Boiron, J. See Boyer, L. jt. auth.

Bois-Reymond, R. du. Der Wasserwiderstand des Menschlichen Körpers. Arch. f. d. ges. Physiol. 216:770-73. 1927

Zur Physiologie des Schwimmens. Arch. f. d. ges. Physiol. p252-78. 1905

Bolles, F. W. Pipe salt water to seaside pool; Westchester Country Club pool. Domest. Engin. July 26, 1930

Bolles, W. S. Great safety-in-water-sports campaign, Janesville, Wisconsin. Am. City. June 1929

Bolton, Henry Carrington. Ancient method of filtration. Pop. Sc. Feb. 1880; reprint 8p Appleton. 1880

Bonar, Alice. Effect of swimming upon vital capacity and physical efficiency of university women students. Thesis. Univ. Illinois. 1932

Bonar, Lee, and Dreyer, Alice D. Studies on ringworm funguses with reference to public health problems. Am. J. Pub. Health. Sept. 1932

—See Legge, R. T. jt. auth.

Bond, C. N. Electrical thermal storage. Baths & Bath Engin. May 1938

National Association of Bath Superintendents. Annual conference, Scarborough, 1937. Baths & Bath Engin. May 1937

Bondo, E. Open air bathing from hygienic point of view; survey of beaches. Nord. hyg. tidskr. 15:205-30. 1934

Bondy, Otto. Construction of diving towers; examples of application of oxy-acetylene welding to the construction of tubular diving towers. (il) Baths & Bath Engin. April and June 1937

Bones. See Physiological Aspects

Bonner, M. G. Summer life saving club. St. Nichol. July 1916

Bonnet, Armand. Nager. Ed. Nilsson

—and Rodier, G. La natation. (il) Borne-mann. 1928

Books. See Texts

BIBLIOGRAPHY OF SWIMMING

Booraem, J. Francis. Sanitary swimming pool construction. Williams Printing Co. 1916

Booth, William Henry. Water softening and treatment, condensing plant, feed pumps and heaters for steam users and manufacturers. \$3.50 308p Constable. 1906

Bordas, F. Les piscines et la santé publique. Ann. d'hyg. Dec. 1929

— and **Neveu, R.** Bacterial dangers. Compt. rend. Acad. d. sc. Sept. 10, 1928

Borelli, Giovanni Alfonso. Die Bewegung der Tiere. 69p Akadem. Verlagsgesellschaft. 1927

Borg, Arne
—analysis of the swimming of Borg and Weissmuller. Ath. J. March 1926

Borne, M. L. Purification of water by ozone. Engin. Mag. July 1909

Borrelli, R. Boyolympics and All Nations Festival. (il) Recrea. July 1936

Bostard, Wilbur E. Facts about elementary swimming for beginners. \$1.50 37p Providence Boys' Club. 1928

Bosworth, Frederick Lyman. Study of the possible carry-over from physical activities in school to adult life. Thesis. Boston Univ. 1934

Botham, F. R. Complete presentation and discussion of a first-class pool. (il) Swim. Pool Data & Ref. Ann. 5:40-49. 1937

Botsford, C. P. Nine years of swimming pool supervision in Hartford. Beach & Pool. June 1931

Bottger, P. Neuere Volksbäder. Ztschr. f. Bauwes. 75:63-82. 1925

Bottje, Mary. Study of secondary school programs of physical education as related to the leisure-time activities of 875 college women. Thesis. Univ. Michigan. 1934

Boumphrey, G. M. Water-softeners. Spectat. March 19, 1932

Bounds, Roger J. Municipal outdoor swimming pools. Municipal Ind. p542-57. 1931; reprint Cham. Commer. U.S. 1931

Boushey, E. E. and Hoyman, H. S. Experimental life saving. J. Health & Phys. Educ. April 1934

Bowers, Edwin F. Bathing for health; a simple way to physical fitness. \$1 143p Clode. 1917

Bowes, G. K. Bacterial examination of water in public swimming baths. J. State Med. Sept. 1928

Bowles, Robert Leamor. Method for the treatment of the apparently drowned; together with remarks in discussion of the phenomena attending death from drowning. 16p Baillière, Tindall & Cox. 1904

Resuscitation, Méd.-chirur. Tr. May 28, 1889; reprint 1890

Boy Scouts of America. Be prepared for merit badge examinations; life saving. 10c Boy Scouts. 1919

Camp sanitation. \$1 196p Boy Scouts. 1928

Factors which contribute to camp safety; swimming. Section from Handbook for Scoutmasters. \$1.75 v2, 822-23 Boy Scouts. 1938

Scout swimming and water safety program. \$2 Pa. 50c 142p Boy Scouts. 1924

Swimming; a set of 25 pictures—photo enlargements. \$1.25 Boy Scouts

Swimming and water safety. 75c 248p 1927; 75c 1929; 60c Boy Scouts. 1931

Swimming merit badge pamphlet. Free Boy Scouts

Waterfront period. Boy Scout Camps. Section from Handbook for Scoutmasters. \$1.75 v2, 840-42. Boy Scouts. 1938

Boyce, Ernest. Swimming pool sanitation—public pools have important problems of sanitation to solve; no excuse for insanitary pools. Kansas Municip. Aug. 1926

Boyd, Frederick. Some thoughts on swimming instruction in England. J. Phys. Educ. & School Hyg. 1935(?)

Boyer, J. Tissot's respiratory apparatus. (il) Sc. Am. Jan. 11, 1908

Boyer, L. and Boiron, J. Variation avec la durée de son séjour dans l'eau, de la sensibilité du colibacille aux hypochlorites. Compt. rend. Soc. de biol. Dec. 11, 1931

Boyle, R. W. See Steinhaus, Arthur H. jt. auth.

Brace, David K. Experiment on breath control. Am. Phys. Educ. Rev. Feb. 1925

Some objective evidence of the value of physical education. J. Health & Phys. Educ. April 1933

Braden, G. W. Some of California's municipal swimming pools. Am. City. May 1927

Bradshaw. Continental guide. \$2.50 Coward-McCann. 1920

Brady, W. To make the drowned breathe. (il) Tech. World. June 1913

Brahdy, L. and M. B. Intratracheal method for prolonged artificial respiration. Am. J. M. Sc. Sept. 1929

Brahdy, M. B. See Brahdy, L. jt. auth.

Brahmachari, B. B. Simple method for estimating available chlorine in bleaching powder. Indian M. Gaz. May 1927

Brain Abscess. See Diseases, brain abscess

Braine, C. Carter. Artificial respiration, describing the Howard method, the Sylvester method and the Hall method; chapter from Quain's Dictionary of Medicine. 3rd ed. Longmans. 1902

—See Clover, J. T. jt. auth.

Brandreth, Gordon. Canadian book of games and other activities. 315p Ryerson. 1931

Brandsten, Ernst M. See Handley, H. W. jt. auth.

—See White, Albert C. jt. auth.

Brandt, E. H. Mechanical equipment in the White House swimming pool. *Heat. & Ventil.* Sept. 1933; *also Domest. Engin.* Sept. 1933

Branigan, H. L. Ozone's advance. *Heat. & Ventil.* June 1929

Braungand, K. Rostungen und Korrosionen in eisernen Rohrleitungen und Behältern, deren Ursachen und Bekämpfung. *Ztschr. f. d. ges. Krankenhausw.* March 29, 1932

Brauninger, Stanley. How to dive gracefully. *Mod. Mechan., Hobbies & Invent.* Aug. 1935

Brauns, Jeanette. See Rechart, Natalie, jt. auth.

Bravetti, S. I bagni caldi di acqua di mare nelle affezioni TBC. chirurgiche. *Riv. di idroclimat., talassol. e terap. fis.* April 1936

Breakers. See Surf swimming

Breaks, Life Saving. See Life Saving

Breast Stroke. See Strokes, breast

Breath Control. See Respiration; Teaching

Breathing. See Respiration; Speed Swimming; Strokes; Teaching

Breder, C. M. jr. The locomotion of fishes. *Zoologica.* 4:no.5:159-297

Breen, Mary J. Swimming and water sports. *Chapter (p93-9) from Partners in Play.* Pa. 75c. 130p N.R.A. 1934
For National Recreation Association and National Board, Y.W.C.A.

Breitmeyer, Arno; Baeumler, Alfred; and Hoffmann, P. G. (eds.) Sport und Staat. I. *Selbstverlag d. Hilfsfonds f. d. Deuts. Sport.* 1934

Breitner, B. Sport und Gefahr. Wien. med. *Wchnschr.* Sept. 25, 1937

Breker, Lou. Fear element in swimming. *Swim.* Oct. 1924

Bremner, R. W. Coasting along with the breast stroke. *Ath. J.* Jan. 1935
Keep our swimmers in the swim. *Ath. J.* Dec. 1934

We must learn to swim with Japan-ease. *Beach & Pool.* July 1934

Brendicke, Hans. Zur Geschichte der Schwimmkunst und des Badewesens. 46p Hof. Grau & Cie. 1885

Brennan, C. H. Ideal swimming pool dimensions for championships. *Notab. Swim Pools.* 1:92. 1933

Brennan, Ward. Contemplated pool. *Notab. Swim. Pools.* 1:100. 1933

Brent, J. World's bathing places. *Munsey's.* July 1902

Bresnahan, Dorothy Elizabeth. Fear as an inhibitory factor in motor function. Thesis. Loyola Univ. 1929

Bresnahan, J. F. Music from the psychological standpoint. *Train. Nurse & Hosp. Rev.* May 1927

Bretton, M. G. Le nouveau casino municipal de Dinard, avec piscine d'eau de mer filtrée et chauffée. (diags, plans) *Génie Civil.* June 15, 1929

Bretton, Fred G. Water polo and how to play it. 41p Gowland. 1896

Brewitz, R. O. Foundations of modern swimming technique. *Swim. Times.* June 1935

Brewster, Edwin Tenney. Natural method of swimming for beginners. *Good Health.* Jan.-May 1911
Swimming. \$1.50 1910; \$1.15 1918; \$1.50 104p Houghton Mifflin. 1923

Brewster, F. W. How to avoid being drowned or all about flotation. 98p Roberts & Leete. 1885

Brewster, G. B. My channel-swimming adventures. 2s. 6d. Bale & Danielsson. 1935

Brick for Pool Construction. See Pools and Bathing Places, Construction of, brick for

Brickett, Reginald H. Breathing; its importance in swimming. *Swim. Times.* June 1934
Champions born or made? *Swim. Times.* July 1934

Bridges —110' swim mark shattered by Miss Bridges. *Beach & Pool.* July 1935

Bridgman, C. T. Highlights of America's first all-brick pool. (il) *Swim. Pool Data & Ref. Ann.* 6:34-35 1938

Briffault, Eugène. Paris dans l'eau. 138p Hetzel. 1844

Brigaudet. See Carpenter, G. jt. auth.

Bright, E. A. Study of the possibility of the use of underwater gymnastics in the prevention and correction of physical deviations. (il, tables, bib) Thesis. 119p Univ. Southern California. 1934
—See Lowman, C. L. jt. auth.

Brining, T. Research in swimming. *Mind & Body.* June 1931

Brink, B. Dean. Brink system. *Page from Bull.* 1005. A.R.C. Oct. 1932
King Neptune's carnival. Mimeo. 2p. Free. A.R.C.
Natatorium policy of Boston Y.M.C.A. *Phys. Train.* June 1915

Brink System. See Teaching, Brink system

Brisset, P. La natation; ou, L'art de nager appris seul en moins d'une heure. 35p Garnier. 1870

British Engineering Standards Association. British standard specification for cast iron filter plates and frames. 37p Lockwood. 1925

British Malaya, Competition in. See Competition, in British Malaya

British Sports and Games Association —British Sports and Games Association. *Swim. Times.* June 1935

Brix. Zur Verteidigung des Schäferschen Verfahrens für Notshelfer bei der Wiederbelebung Ertrunkener. *Monatschr. f. Unfallh.* May 1938

Broadhurst, Jean. Simplified control of swimming pools. *Teachers Col. Rec.* May 1931; *reprint* Bur. Publications. 1931
Two questions for school swimming pool supervisors. *Am. School & Univ.* p185-7. 1933-34

BIBLIOGRAPHY OF SWIMMING

Broadwell, Albert H. Extraordinary swimming race; the competitors putting on top hats and clothes, etc. by degrees. *Strand Mag.* Oct. 1900

Brochard, André Théodore. Sea-air and sea-bathing for children and invalids; their properties, use, and mode of employment. Tr. and ed. by William Strange. 184p Longman, Green, Longman, Roberts & Green. 1865

Brock, J. D. Breast stroke for all-around swimming. *Outing*. July 1914

Brock, William G. Schools for lady life-savers. *Lit. Dig.* Sept. 19, 1925

Brockway, A. Treatment of osteomyelitis in warm salt-water pool. *J. Bone & Joint Surg.* July 1932

Brogdon, Elizabeth and Hellebrandt, Frances A. Investigation of the influence of exercise upon digestion in the stomach; the effect of swimming upon the acidity of the gastric juice. *Res. Quart.* May 1934

—See Hellebrandt, Frances A. jt. auth.

Brondes, C. H. Something new in water sterilization. *Beach & Pool*. July 1934

Bronzini, A. Alcune ricerche intorno alla fisiologia delle cavità accessorie del naso; i seni nasali in rapporto all'umidità dell'aria d'inspirazione. *Valsalva*. July 1927

Brooke, C. W. A. and Torkington, H. How to teach swimming in class. (diags, drills) 34p Philip. 1896

Brooks, Lily Wingo. Health as an educational aim. Thesis. Univ. Georgia. 1926

Brooks, S. C. Osmotic effects of deuterium oxide (heavy water) on living cells. *Sc. (new series)* Nov. 26, 1937

Broom, Frank. Sterilizing swimming pools with live steam. (diag) *Lit. Dig.* May 27, 1933

Broone, F. H. Swimming pool water sterilization. *Pow. Pl. Engin.* May 1933

Brophy, J. Waterfront. 2s. 6d. Cape

Brophy, Thomas J. Foundation of a boy's swimming club and the maintenance of its interest. *Mind & Body*. March 1921

Brouardel, G. See Anthony, R. jt. auth.

Broughton, J. America and the Olympics. *New Repub.* Nov. 6, 1935

Broustet, P. and Eggenberger. Étude radiologique du cœur des sportifs. *J. de méd. de Bordeaux*. Feb. 20, 1936

L'électrocardiogramme des sportifs. *J. de méd. de Bordeaux*. Feb. 20, 1936

Brown, H. E. Fancy diving. Thesis. Springfield Col. 1920

Some heart rate studies in swimming. Thesis. Springfield Col. 1927

Brown, John jr. More than a million swimmers a year. *Swim. Pool World*. Oct. 1932

Place to swim in every rural community and every boy a swimmer. *Rur. Man.* May 1911

—committee member. See National Collegiate Athletic Association

Brown, Joseph Henry Patrick. Modern swimming. (il. with 40 drawings by A. A. Jansson) \$1 180p Small, Maynard. 1916

Brown, V. K. Designing a pool from operation experience. *Beach & Pool*. Jan. 1932

Factors in swimming pool design and operation. *Am. Land. Archit.* Sept. 1929

Results of modernizing a bathing beach. *Beach & Pool*. March-May 1935

Swimming pool sundries. *Parks & Recrea.* May 1932

Swimming pools and bathing beaches; some practical slants on swimming pools. *Parks & Recrea.* May 1931

Water sports. *Beach & Pool*. Nov. 1929

—and Nason, S. K. Swimming pools. *Playground*. April 1917; *reprint* N.R.A. 1917

Brown, W. Sterry. Advanced swimming. *Am. Rev. Serv. Press.* 1925

Learning to swim—for college age adults and beginners. *Univ. Illinois*. 1925

Practical hints to teachers; aquatic tests. *Am. Phys. Educ. Rev.* Oct. 1928

What swimming strokes consist of. *Ath. J.* Feb. 1923

Browne, A. D. New social demand for swimming. *Red Cross Cou.* June 1, 1925

Browne, Phyllis. What girls can do. *Cassell*. 1880

Advice on swimming, p281-4.

Brownell, C. L. See Williams, J. F. jt. auth.

Brownell, Mary A. Pageants with a purpose. Series I—Swimming pageants for outdoor production; Series II—swimming pageants for outdoor and indoor production; Series III—Swimming pageants and stunts; Series IV—swimming pageants for outdoor production. Each series bound separately in paper. 75c ea 16p ea. Edited by Linwood Taft. *Barnes*. 1926

Brownfield, M. Home swimming pool (il) *Hygeia*. Aug. 1929

Bruce, Dante. Practical swimming lessons. \$2 64p *Bruce Swim. Method*. 1922

Bruce, G. R. Sea water bathing; some medical aspects in complete scheme. *J. State Med.* June 1934

Brücke, E. T. von. Ueber Sinnestäuschungen auf Grund eines Missverhältnisses zwischen Kraftempfindungen und wahrgenommener Leistung. *Ztschr. f. Sinnesphysiol.* 67:145-48. 1937

Brummitt, W. B. New "swimmin' hole." *Beach & Pool*. Nov. 1927

Brundage, A. Olympic ideal, and American participation in the Olympic Games. *Proc. N.C.A.A.* p111-22. 1930

Brunet, L. Les mouvements musculaires des poissons. *Rev. de Sc. Gén.* Nov. 30, 1934

Brunner, F. J. Diving as a fine art. Out-
ing. Aug. 1916

Bruns, O. Über Wiederbelebung durch
künstliche Atmung. Klin. Wchnschr.
Aug. 13, 1927

Welche Umstände und Vorgänge Beein-
flussen die Herzgrösse des Sports-
mannes. p25-7. Deutsche med. Wchnschr.
(Festschr. d. Sportärztesch.,
XI. Olympischen Spielen). 1936

Brunsting, L. A. Treatment of epidermo-
phytosis. Minnesota Med. Nov. 1932

Brustmann, M. Schwimmen bei kreislauf-
kranken Kindern. Gesundh. u. Er-
ziehg. Feb. 1937

Bryan, R. H. See Gordon, Harvey A. jt.
auth.

Bryant, Carroll L. Get the most out of the
athletics. (il) Beach & Pool. May
1938

Life saving, a fish-eye view. Scholastic.
Feb. 20, 1937

Outline of diving. A.R.C. Mimeo. Not
issued after 1933

Bryden, Charles L. and Dickey, George D.
Text book of filtration. (il) \$5.50 376p
Chem. Pub. Co. 1923

Buchan, A. P. Practical observations con-
cerning sea-bathing. London. 1804

Buchan, William. Cautions concerning cold
bathing and drinking the mineral
waters. 20p London. 1786
Added as Chapter 9 to his Domestic
Medicine.

Buchanan, E. B. and Perkins, R. G. Resi-
dual chlorine and bacterial content of
swimming pools. J. Am. Water
Works Assoc. April 1926

Buchanan, E. V. Swimming pool and bath
house, London. Canad. Engin. Oct.
26, 1926

Buchmann, W. Die Bekämpfung der Chiro-
nomidenbrut in Hallen- und Sommer-
bädern, sowie Wasserversorgungsan-
lagen mit Chlor und Kupfer. Zen-
tralbl. f. Gesundheit. u. Stadthyg. June
1932

Buchron. On river and sea bathing; pos-
sible danger and benefit. Bousor.
1798

Buhtz and Burkhardt, W. Die Feststellung
des Ertränkungsortes aus dem Dia-
tomeenbefund der Lungen. 29:469-84.
Deutsche Ztschr. f. d. ges. gerichtl.
Med. 1938

Buice, W. A. See Ellison, G. jt. auth.

Building Materials. See Pools and Bathing
Places, Construction of, building ma-
terials for

Bunau-Varilla, P. La verdunisation des
eaux ou autojavellisation impercep-
tible. Rev. Scient. March 26, 1927

Bundesen, H. N. How to save gas, shock,
and drowning victims. Pop. Mechan.
Nov. 1925

Bunker, George C. Use of chlorine in water
purification. J. Am. Med. Assoc. Jan.
5, 1929; also Am. Phys. Educ. Rev.
April 1929

Bunker, J. W. M. Hygiene of swimming
pools. Am. J. Pub Health. Nov. 1910
—and Whipple, M. C. Sanitation of
swimming pools. Am. Phys. Educ.
Rev. Feb. 1913

Buonaccorsi da Pistoja, Adolph von. An-
leitung zur Erteilung der Schwimm-
unterrichts. Vienna. 1880
Leitfaden für den Militär-Schwimmunter-
richt. 116p Vienna. 1879

Buoyancy. See Floating; Teaching

Burdick, W. Printed matter used in pro-
moting a girls' winter carnival, Balti-
more, Maryland. Am. Phys. Educ.
Rev. Nov. 1927

Buren, Anthony van. Der Schwimmschule.
31p Hartleben. 1877

Burgess, Clifford J. G. No more butterfly
stroke. Swim. Times Sept. 1937

Burghard, August. Katherine Rawls invites
Japanese to Third Annual Aquatic
Forum, Fort Lauderdale, Fla. Beach
& Pool. Aug. 1937

Official report of the Second Annual
Aquatic Forum. Swim. Pool Data &
Ref. Ann. 5:37-38. 1937

Official report of the Third Annual Aquat-
ic Forum, Fort Lauderdale, Florida.
Swim. Pool Data & Ref Ann. 6:46-
47. 1938

Burke, J. Robert. Abscessed ears and mas-
toiditis. Hygeia. Aug. 1935

Burke, Joseph J. Something for secondary
schools please. Swim. Times. Feb.
1936

Burkhardt, W. See Buhtz, jt. auth.

Burley, L. T. Le G. Chlorination of water.
Baths & Bath Engin. March 1938

Burnley, James. Romance of life preserva-
tion. 473p Allen. 1888

Burstal, E. K. Acts of Parliament relating
to water undertakings. \$6 Oxford
Univ. Press. 1879-1888

Burt, E. R. Water carnival. (il) Woman's
Home Comp. July 1924

Burt, S. J. Study of the posture training
value of various activities. Thesis.
Wellesley Col. 1931

Burton-Opitz, R. Comparative study of dif-
ferent methods of artificial respiration.
Am. J. Physiol. Aug. 1922

Busch, J. P. zum. Über plötzlichen Tod im
kalten Bade. Deutsche med. Wchnschr.
Jan. 6, 1933

Buschan, George. Das Schwimmen bei den
Natur und Frühgeschichtlichen Vol-
kern. Arch. f. d. Gesch. d. Natur.
6:27-28. 1913

Bush, Clarence A. Advancing pupils to the
swimming position. Ath. J. Jan. 1927
Dry-land training for a swimming champion.
Lit Dig. May 15, 1926
Improving the breath control of swim-
mers—how to teach conscious regu-
lations of respiration. Ath. J. Dec.
1926

Teaching body buoyancy and breath con-
trol. Ath. J. Nov 1926

BIBLIOGRAPHY OF SWIMMING

Bush, Clarence A.—Continued
Value of Olympic Games. (il) Nat. Repub. April 1936
—See Bachrach, William; Weissmuller, Johnny, jt. auth.

Bushnell, L. D. and Davenport, F. S. Sanitation of the swimming pool. City Mgrs. Assoc. Mag. May 1924

Bussi, A. La cura termale della ipertensione arteriosa. Gazz. d. osp. Jan. 16, 1938

Quattro casi di poliomielite infantile curati alle terme di S. Agnese in Bagno di Romagna. Riforma med. Aug. 2, 1926

Bussman, P. F. Are filtering beds correctly constructed? Sc. Am. Feb. 6, 1909

Buswell, Arthur M. Preliminary communication on use of liquid chlorine in swimming pools. Am. Phys. Educ. Rev. June 1913

Sanitary standards for swimming pools. Am. City. Oct. 1920; also Phys. Train. May 1921

Swimming pool sanitation. Am. City. May 1920

Butler, George D. Leisure hours of 5000 people; report of study of leisure-time activities and desires. \$1 N.R.A. 1934

Playgrounds—their administration and operation \$3 N.R.A. 1937

Butterfly Breast Stroke. See Strokes, breast

Buzzard, E. F. Swimming in treatment of paralysis. Brit. M. J. May 17, 1919

Byck, S. M. Something new in pool illumination. Beach & Pool. June 1929

Byers, C. A. Charm and usefulness of the garden swimming pool. Craftsman. Nov. 1912

Garden swimming pools. House & Garden. Feb. 1921; also Sunset. Feb. 1926

Private swimming pools on western estates. (il) Arts & Decorat. June 1929

C

Cacheux, Émile, committee member. See Congrès International de Sauvetage, Paris, 1889

Cades, Hazel Rawson. Far, fast and fashionable. Woman's Home Comp. Aug. 1930

Cadwell, Loraine L. Swimming for women; handbook and syllabus arranged for teachers and students. 75c 55p Univ. California, Berkeley. 1920; abstract Am. Phys. Educ. Rev. Nov. 1919

Cahill, G. F. Light up your pool. Beach & Pool. Dec. 1927

Caird, J. M. Efficiency of American process of water filtration. J. Am. Water Works Assoc. p371. 1908

California Decathlon Tests. See Tests, California decathlon

California Department of Education, Division of Schoolhouse Planning. School swimming pool. California Dept. Educ. 1930

California State Department of Public Health. State swimming pool regulations. California State Dept. Pub. Health. May-June 1920

Swimming pools; rules, legislation and notes on construction and operation. Free 18p California State Dept. Pub. Health. 1929, 1937

Callaway, E. C. See Hewitt, Jack E. jt. auth.

Calver, H. N. Retail or wholesale life-saving—which pays the better? Mind & Body. Feb. 1929

Calvert, H. T. Purity of swimming pool water. Canad. Engin. Aug. 2, 1930

Cameron, Charles. Baths of the Romans, with restorations of Palladio. London. 1775

Camp, Marjorie. Objective swimming test as a requirement for graduation in colleges and universities
Unpublished paper read at Mid-West College Directors' meeting, March 1932.

Recent developments in swimming and water sports. J. Health & Phys. Educ. May 1934

—See Camp Fire Girls, Inc. jt. auth.

Camp Directors Association. Camp waterfront and safety. Committee report. Camp Life. March 1931

—adoption of the American Red Cross standards. Aquat. p15-16. 1931-32

—**Swimming Committee and Luehring, F. W.** Swimming and life saving standards for summer camps. 1920. Rev. Free. 12p Camp Dir. Assoc. 1921. 1922. 1923. 1927. 1928

Camp Fire Girls, Inc. Camp directors' bulletin, including minimum standards for Camp Fire Girls' camps. 95p Camp Fire Girls. Mimeo. 1927. 1932

Health craft honors: water activities. Section (p36-7) from Book of the Camp Fire Girls. 247p Camp Fire Girls. 1936

Swimming honors: descriptions of tests leading to emblems for polliwogs, frogs, fish and flying fish. Section (p41-3) from Book of the Camp Fire Girls. 247p Camp Fire Girls. 1936

Swimming: standard provisions for safety. Section (p131-4) from Handbook for Guardians of Camp Fire Girls. 189p Camp Fire Girls. 1930

—**American Red Cross and Camp, Marjorie.** Book of aquatics. 63p Camp Fire Outfit Co. 1925

Campaigns

LEARN-TO-SWIM, accomplishments of. [T. G. Armstrong] Beach & Pool. July 1931

—annual swim weeks. (il) [Herbert G. Allphin] Swim. Pool Data & Ref. Ann. 5:57-58. 1937

—entire rural community taught to swim. [George Q. Knowlton] Beach & Pool. Feb. 1932

—every sixth grade boy and girl a swimmer. [C. P. L. Nicholls] Beach & Pool. Feb. 1931; *also* J. Health & Phys. Educ. Feb. 1931

—for children, Santa Barbara, California. (il) [E. Plescia] Recrea. Aug. 1937

—how to conduct. [Paul H. Huedepohl] J. Am. Assoc. Hyg & Baths. March 1931

—promoting and conducting. [Paul H. Huedepohl] 22p Jantzen. 1933

—sponsored by Jantzen Swimming Association. [Paul H. Huedepohl] Beach & Pool. April 1937

—statistical study of the 'Learn to Swim' campaign at Springfield College. Springfield Col. 1933. Student project

—to teach every boy and young man to swim. [G. J. Fisher] Phys. Train. May 1910

SAFETY. See Safety, campaigns

Y.M.C.A., swimming. Phys. Train. Dec. 1910

Campbell, Agnes. Report on public baths and wash-houses in the United Kingdom. Carnegie United Kingdom Trust. 1918

Campbell, Gordon. Brave men all; tales of great courage. 307p Hodder & Stoughton. 1935

Campbell, Ruth E. Figure swimming. Camps & Camping. p84-9. 1931

Camps. See Curricula, camps; Life Saving, standards for summer camps; Pools and Bathing Places, beaches and water fronts; Pools and Bathing Places, Operation of, in camps; Pools and Bathing Places, Sanitation of, in camps; Public Health; Regulations; Regulations, state; Safety, in camps; Tests, achievement

Canada. See Competition, in Canada; Life Saving, Canadian

Canada, Department of Marine and Fisheries. Règlements concernant les engins de sauvetage. 52p Acland. 1929

Canavan, Ruth. Swimming pool sanitation and construction. J. Boston. Soc. Civil Engin. 5:298-306. 1918

Canzanelli, A. and Rapport, D. L. Nature of foodstuffs oxidized to provide energy in muscular exercise; use of protein as fuel in exercise. Am. J. Physiol. Nov. 1932

Cape, G. A. jr. Baths and washhouses. London. 1854

Capen, Charles H. jr. Behaviour of chloramines in swimming pool sterilisation. Baths & Bath Engin. Feb. and April 1937

Mass bathing. Beach & Pool. May 1934

Some observations on the behavior of chloramines in swimming pool sterilization. Beach & Pool. June 1936

Wanted: national standards for swimming pools. Beach & Pool. Feb. 1934

Veale, J. W. Swimming pool control. Beach & Pool. Sept. 1933-Jan. 1934; *also* Swim. Pool Data & Ref. Ann. p45-7. 1934

Carbon Dioxide for Resuscitation. See Resuscitation, carbon dioxide for

Cardinal Principles of Education. See Curricula, cardinal principles of education

Cardiovascular System. See Coaching, training; Corrective Swimming, for cardiovascular disorders; Diseases, heart; Drowning, causes of; Physiological Aspects; Physiological Aspects, heart; Spas; Thalassotherapy

Care of Pools. See Pools, Artificial, Care of

Carey, D. Atlanta swimming pool. Play-ground. May 1915

Carnegie United Kingdom Trust. Swimming baths and ponds and bathing for school children. Child. June 1918

Carnivals. See Exhibitions, carnivals

Carpenter, L. V. Effects of manganese on filter operation. (table) Am. J. Pub. Health. Oct. 1931

Carpentier, G. and Brigaudeau. Le travail musculaire, le pH et l'élimination des phosphates dans les urines. J. de méd. de Paris. April 12, 1928

Carr, John. All-electric heating equipment at Shirehampton Baths, Bristol. Baths & Bath Engin. Aug. 1936

Carrick, E. R. Problems on practical camp sanitation. Pub. Health News. April 1927

Carroll, Edgar H. Paddle boards. . .for life saving. Beach & Pool. June 1933

Cartledge, Mildred. Status of physical education for women in certain white secondary schools of the state of Georgia. Thesis. Univ. Georgia. 1934

Cary, W. H. jr. Administration of swimming pool standards in Detroit. Am. J. Pub. Health. July 1930; *also* Beach & Pool. March 1931

How Detroit has improved the sanitary standards of its 43 swimming pools. (il) Am. City. May 1929

Practical swimming pool sanitation control. Nation's Health. May 1927

Swimming pool sanitation. Ohio State M. J. Jan. 1930

—See Mallmann, W. L. jt. auth.

Cashman, M. Newburyport to have a river-front park (plan). Am. City. March 1923

Cassell. Cassell's Book of sports and pastimes. 760p 1881. 1882. 1886. 1893. Cassell, Petter & Galpin; \$1.25 Cassell. 1912

Cassidy, Rosalind. See Pacific Camp Directors' Association, jt. ed.

Cassinis, U. Sul valore di alcuni indici di fatica nel nuoto e nell corsa. Arch. di fisiol. 36:428-43. 1936

Catadyn Method of Water Purification. See Water Purification, Catadyn method

Catalina Island Swim. See Distance Swimming, Catalina Island

BIBLIOGRAPHY OF SWIMMING

Catlin, George. Shut your mouth and save your life. 4th ed. The Author. 1870

Catrein, J. Untersuchungen über dem Verhalten des Blutzuckers bei See- und Luftbädern. *Ztschr. f. klin. Med.* 118: 688-96. 1931

Causes of Drowning. See Drowning, causes of

Cavill, Frederick. How to learn to swim. 24p Solomon. 1884

Celite Products Company. Celite book: a manual dealing with vital points in the development of our industry and outlining the fields which can be served by our products and our organization. 263p Celite Products Co. 1924

Cement for Pool Construction. See Pools and Bathing Places, Construction of, concrete and cement for

Center of Gravity. See Floating; Floating, specific gravity

Central Heating Station. See Pool Buildings and Water, Heating of, central station for

Cerruti, C. F. Il problema igienico delle piscine. *Minerva med.* Feb. 17, 1934

Ceruti, G. Influenza del bagno di mare sul tono muscolare. *Ann. di med. nav.* May-June 1927

Chagnard, committee member. See Congrès International de Sauvetage, Paris, 1889

Chalk, Terence E. Bermuda's swimmers. *Swim. Times.* Oct. 1934

Chalumeau, C. L'établissement balnéaire de la ville de Lyon, Place Garibaldi. *Génie Civil.* Dec. 23, 1933

Chambers, R. See Chambers, W. jt. editor

Chambers, W. and R. (eds.) Information for the people. Edinburgh, Scotland. 1842. 1847. 1857. 1875

Chaminaud, C. G. Sport y tuberculosis. *Rev. méd. del Rosario.* Jan. and Feb. 1937

Champions
See also Coaching; Competition; Meets; Olympics; Records

- American Leander. (il) *World Rev.* Feb. 22, 1926
- born or made? [Reginald H. Brickett] *Swim. Times.* July 1934
- boy who has broken all swimming records. *Lit. Dig.* May 27, 1922
- boy who won the Catalina Island Marathon. *Lit. Dig.* Feb. 5, 1927
- famous American athletes of to-day. [Charles H. L. Johnston] 1st series. 445p Page. 1928. *Rev.* 1933
- famous American athletes of to-day. [Charles H. L. Johnston] 2nd series. 328p Page. 1930
- famous American athletes of to-day. [Leroy Atkinson and Austen Lake] 3rd series. 346p Page. 1932
- famous American athletes of to-day. [Charles H. L. Johnston] 4th series. 273p Page. 1934
- Helene Madison's enduring record. *All Sports.* Nov. 1936
- how I swam into fame and fortune. [Annette Kellermann] *Am. March* 1917
- Jack Kasley cracks three world marks. *Swim. Times.* May 1936
- jewel that gleams in the night. [Anderson Elzner and W. A. Becker] *Beach & Pool.* Dec. 1927
- Jimmie Blount, swimmer. [Sid G. Hedges] *Swim. Times.* Dec. 1933
- Kompa sisters. [Translated from Der Schwimmer] *Swim. Times.* Oct. 1935
- ladies from Olympus. [Robert S. McFee] *Vanity Fair.* Sept. 1932
- making swimming champions. (il) [Ray Daughters] *Sat. Eve. Post.* May 30, 1936
- Medica astonishes the Australians. [Ted Turner] *Beach & Pool.* July 1937
- never a crown. *Lit. Dig.* June 6, 1936
- our "scintillating" stars at Antwerp. [R. Lewis] *Outing.* Jan. 1921
- records beware! You're fragile stuff to Helene. (il) [Marshall Hunt] *Lit. Dig.* Aug. 15, 1931
- salt water sorority. (il) *Time.* July 29, 1935
- Scarborough. [Gilbert Collins] *Swim. Times.* Aug. 1937
- schoolboy swimming sensation. [Albert W. Gray] *Scholastic C.* April 1937
- Scottish champions on tour. *Swim. Times.* Dec. 1935
- seventeen-year-old mermaid who holds ten world records. *Lit. Dig.* March 8, 1924
- some mighty swimmers: selections. *Golden Bk.* Aug. 1925
- speaking of sports: comments taken from various sources. *Read. Dig.* Oct. 1936
- sportlights of 1923. [Grantland Rice] \$2 212p Putnam. 1924
- swimming stars. [N. Dorris] *Woman Citiz.* June 1926
- they come up swimming; interviews with W. Cooling and Mrs. F. Hoerger. (il) [Quentin Reynolds] *Collier's.* June 1935
- '35 swim champs. *Beach & Pool.* Aug. 1935
- water wizard. *Atlantic.* July 1926
- world's champions run to types. [Robert Boardman] *J. Health & Phys. Educ.* May 1933
- world's records broken by swimmers. *Swim. Times.* Oct. 1936

DIVING. See Diving, champions

POLO. See Polo, champions

Channel, English. See Distance Swimming, English Channel

Charcoal in Water Purification. See Water Purification, charcoal for

Charts and Photographs
—swim for exercise—bathe for cleanliness
—both for health. [Cleanliness Institute] Poster. Free. Cleanliness Inst.

DIVING. See Diving, charts and photographs

LEARN-TO-SWIM, can you swim? Why not? [American Red Cross] Poster. Free. A.R.C.

—learn to swim, [American Red Cross] Poster. Free. A.R.C.

LIFE-SAVING. See Life Saving, charts

OF OLYMPIC GAMES. See Olympics, photographs

RESUSCITATION. See Resuscitation, charts

STROKES. See Strokes, charts and photographs

STUNTS. See Recreational Swimming, stunts chart

UNUSUAL FEATS, do you know that? Free. Indera. Set of 24 posters. 1936

Chavigny, P. Repêchage des cadavres. Ann. de méd. lég. April 1935

Checking Systems
See also Pools and Bathing Places, Equipment for; Pools and Bathing Places, Operation of

—clothes. [E. S. Bishop] Notab. Swim. Pools. 1:98-99. 1933

—clothes. [E. A. Heinz] Beach & Pool. May and July 1929

—danger of faulty gate or check valves. [A. R. McGonegal] Swim. Pool Data & Ref. Ann. 4:48-49. 1936

Cheever, S. C. Are you doing your part to increase public interest in swimming? Beach & Pool. March 1932

Chemical Analysis of Water. See Water Analysis, chemical

Chemical-Control Equipment. See Pools and Bathing Places, Construction of, water purification plants; Pools and Bathing Places, Equipment for; Water Purification, equipment for distributing chemicals; Water Purification, filtration and recirculation; Water Purification, plants

Chemical Society of Washington. Committee composed of Peale, A. C., Seaman, Wm. H. and White, C. H. Report of committee on method of stating water-analyses. 45p Chem. Soc. Washington. 1887

Chenoweth, L. B. Control of ringworm. J. Health & Phys. Educ. Sept. 1930

—and Werner, Elmer. Study of the incidence, distribution, and treatment of ringworm in men students at the University of Cincinnati. Res. Quart. Dec. 1930

Chesley, A. M. Use of swimming pool. Assoc. Boys. Oct. 1903

Chevreuil. Le grand dictionnaire illustré. Paris. 1884-85
Contains several chapters on swimming.

Chiatellino, A. and Gianotte, M. Modificazioni ematologiche conseguenti al bagno di mare. Boll. d. Soc. ital. di biol. sper. Jan. 1927

—See Margaria, R. jt. auth.

Chiba, S. Swimming and ear diseases. Dai Nippon Ji-Bi-In-Ko-Kwa-Kwai Ho. 12:307-46. 1906

Chicago City Council, Committee on Recreation and Athletics. Bathing beach development along the North Shore. 4p Chicago City Council. 1924

Chicago Hardware Foundry Company. See American Playground Device Company, Spalding, A. G., and Brothers, jt. auth.

Chicago Park District, History. See History, of Chicago Park District

Chicago Park District. Hernlund, V. F. (ed.) Diving. 35c 96p Chicago Parks. 1937
—history of. [Fred G. Heuchling] Beach & Pool. Aug. 1937

Chicago Public High School. Practical hints to teachers—official score chart, swimming. Am. Phys. Educ. Rev. Dec 1920

Chicago Special Park Commission. Report of investigation of bathing beaches by the Special Park Commission. 25p Chicago City Council. 1913

Child Development. See Values, developmental

Children. See Curricula, school; Pools and Bathing Places, Equipment for, for children; Teaching, children; Teaching, in schools; Values, developmental

Childs and Smith. Lycée de filles, Oak Park, Illinois. Architect. (new series) June 1930

China Inspectorate General of Customs. Chinese life-boats. 68p Insp. Gen. Customs. 1893

Chinn, B. See Ruchhoft, C. C. jt. auth.

Chisholm, J. See Don, J. jt. auth.

Chloramine. See Water Purification, chlorination and chlorine-ammonia process

Chlorides in Water Purification. See Water Purification, chlorides and hypochlorites in

Chlorination. See Water Purification, chlorination and chlorine-ammonia process

Chlorine in Water Purification. See Water Purification, chlorides and hypochlorites in; Water Purification, chlorination and chlorine-ammonia process

Chopping, F. R. See Hicks, J. A. B. jt. auth.

Chornyak, J. See Yant, W. P. jt. auth.

Christmann, Paul. La natation et les bains, suivi de quelques indications sur l'art de nager. 1st ed. 92p 1887; 2nd ed. Picard & Kaan. 1888

Chromogenic Organisms in Pools. See Water Pollution, from chromogenic organisms

Chryssafis, M. E. La médecine sportive chez Hippocrate. Ann. internat. de méd. phys. 30:169-71. 1937

Church, K. First swimming lesson. Swim. Aug. 1925

Cincinnati Schoolmaster's Club. Leisure and the schools. N.R.A. March 1935

Circular Pools. See Pools and Bathing Places, Construction of

Circulation, Blood. See Coaching, training; Corrective Swimming, for cardiovascular disorders; Drowning, causes of; Physiological Aspects; Physiological Aspects, heart; Thalassotherapy

Circulation, Water. See Water Purification, filtration and recirculation

Circus, Water. See Exhibitions, circus

Citizenship. See Values, citizenship

Civil Service Amateur Swimming Association
—Civil Service Amateur Swimming Association. *Swim. Times*. Dec. 1936

Civil Service Tests. See Tests, Civil Service

Clairbois, P. See Dautrebande, L. jt. auth.

Clampitte, Virginia R. Survey of swimming in Texas. Thesis. Univ. Texas. 1935

Clapp, Fred H. Practical problems in swimming pool construction and supervision. Thesis. Univ. Southern California. 1928

Clapp, R. G. National championship and National Collegiate Athletic Association meets. *Ath. J.* May 1929

Clark, A. E. See Fletcher, A. H. jt. auth.

Clark, H. W. and Gage, S. DeM. Study of the efficiency of certain methods for the sanitary control of swimming pools. Massachusetts State Board Health. 1914

Clarke, Arthur. Essay on warm, cold, and vapour bathing. 5th ed. 232p Colburn. 1827

Clarke, H. R. Winter swimming. *Swim. Times*. Oct. 1934

Clarke, J. C. Water baseball as an intramural sport. *J. Health & Phys. Educ.* March 1936

Clark, William (ed. 1st ed.). Boys' own book: a complete encyclopaedia of all the diversions of boyhood and youth. *Swimming*, p97-110 448p Vizetelly. 1828
21st ed. Longman. 1844. *Swimming*, p129-48; Bogue. 1849. *Swimming*, p187-205; Lockwood. 1870. *Swimming*, p253-67; Crosby Lockwood. 1880. *Swimming*, p283-97; Crosby Lockwood. 1885. *Swimming*, p283-97.

Twelve maxims on swimming. 30p Tilt. 1833
Published anonymously.

Classification Tests. See Tests, classification

Claudy, C. H. Teaching yourself to swim. *Woman's Home Comp.* Aug. 1910
Water sport for girls. *Woman's Home Comp.* Aug. 1911

Clayton, Benjamin. Art of swimming with easy instruction for plain and fancy swimming. 1d. 8p Goode. 1879
—See Nageur, pseud.

Cleaning of Pools. See Pools, Artificial, Care of, cleaning

Cleanliness Institute. Swim for exercise—bathe for cleanliness—both for health. Poster. Cleanliness Inst.

Cleghorn, Thomas. Hydro-aéronaut; or, Navigator's life-buoy: being an easy and effectual method of preventing the loss of lives by drowning, in cases of shipwreck, and others. 120p J. M. Richardson. 1810

Clemence, W. Modern systems of water purification. *Engin. Mag.* April 1911

Clevett, Melvin A. Experiment in physical education activities related to the teaching of honesty and motor skills. *Res. Quart.* March 1932

Clias, P. H. Elementary course of gymnastic exercises intended to develop and improve the physical powers of man: with the report made to the medical faculty of Paris on the subject: and a new and complete treatise on the art of swimming. 1809. 4th ed. 10s. 6d. 184p Sherwood, Gilbert & Piper. 1825

Gymnastique élémentaire. Swimming, p140-4. Paris. 1819

Clinics
—first report of the Penn A. C. Swimming Clinic. *Beach & Pool*. Nov. 1934
—Fourth International Swimming Pool Clinic to be held in the Medina Club of Chicago, September 7, 8, 9, 10, 11. [Harry O'Hare] *Beach & Pool* July 1937
—International Swimming Clinic. [W. E. Longfellow] *Beach & Pool* Dec. 1934 and Jan. 1935
—Penn A. C. Swimming Clinic. *Beach & Pool*. Nov. 1934
—2,250 at 1935 clinic. [Earl K. Collins] *Beach & Pool*. Oct. 1935

Clothes Checking Systems. See Checking Systems

Cloud, M. M. Guide to the chemical analysis of water and the sanitary analysis of water. \$1 Hudson. 1905

Clover, J. T. and Braine, C. Carter. Resuscitation: asphyxia from drowning. *Article from Quain's Dictionary of Medicine*. 3rd ed. Longmans. 1902

Clow-National. See American Playground Device Company, jt. auth.

Clubs. See Associations

Coaching
See also Competition; Diseases, caused by cold and overexertion; Officiating; Olympics; Physiological Aspects; Polo; Respiration; Speed Swimming; Strokes
—[John A. Scarry] *J. Health & Phys. Educ.* Sept. 1937
—Bob Kiphuth says. [Handley Cross] *Sport St.* June 8, 1928
—coach's relationship to his swimmers. [Matt Mann] *Beach & Pool*. Feb. 1938
—Colgate system. [S. W. Ingram] *Beach & Pool*. Feb. and March 1935
—cooperation. [W. E. Longfellow] *Beach & Pool*. March 1936

- distribution of effort and time in champion competitive swimming. [Allan A. Hurley] Thesis. Univ. Iowa. 1938
- factors governing success in competitive swimming. [T. K. Cureton, jr.] *Swim. Guide.* p48-62. 1934; also *Swim. Pool Data & Ref. Ann.* 4:49-55. 1936
- ideas and opinions. [David A. Armbruster] *Beach & Pool.* Feb. 1938
- importance of. [Eulace Peacock] *Lit. Dig.* June 27, 1935
- Japanese and their methods. ["Rabbit"] *Swim. Times.* Oct. 1936
- keep our swimmers in the swim. [R. W. Bremner] *Ath. J.* Dec. 1934
- making swimming champions. (ii) [Ray Daughters] *Sat. Eve. Post.* May 30, 1936
- men and methods. *Swim. Times.* Dec. 1935
- optimum time for holding a swimmer on his mark. [Harold Ducke Oaks] Thesis. Univ. Iowa. 1936
- rating efficiency in swimming on the basis of cardiac response. [David A. Armbruster] Thesis. Univ. Iowa. 1931
- scope of coaching swimming and diving. [T. K. Cureton, jr.] *Swim. Pool World.* March 1932
- speed and heart size as related to endurance in swimming. [William James Moyle] Thesis. Univ. Iowa. 1936
- study of swimming efficiency. [Dallas P. Raney] Thesis. Univ. Iowa. 1932
- swimmers' coaches. [B. W. Cummins] *Swim. Times.* May 1934
- training and coaching champions. [David R. Hacket] *Beach & Pool.* Oct. 1936
- training in swimming. [I. H. Cohen] *J. Health & Phys. Educ.* Dec. 1931
- training speed swimmers. [T. W. Sheffield] *Am. Swimmer.* Sept. 1923
- value of certain indices of fatigue while swimming. [U. Cassinisi] *Arch. di fisiol.* 36:428-43. 1936
- Wembley lessons having effect. [William Francis] *Swim. Times.* Oct. 1934
- DIET FOR ATHLETES, [W. Heupke] *Verhandl. d. deutsch. Gesellsch. f. inn. Med., Kong.* 49, p127-8. 1937
- [M. Vogel] *Deutsche med. Wchnschr.* Aug. 11, 1933
- as related to success in competitive swimming. [T. K. Cureton, jr.] *Beach & Pool.* Nov. 1933; also *Beach & Pool.* Jan. 1934 with curves
- athletics and diet. [William and Morris Fishbein] *Scholastic C.* Sept. 1932
- back to the bottle. [Reginald A. Colwill] *Swim. Times.* Oct. 1935
- curiosities in the athlete's diet—prejudices of the past amuse us today; but some we have replaced with new ones. [Peter V. Karpovich] *Scholastic C.* May 1934
- diet for the athlete. [Peter V. Karpovich] *Scholastic C.* Fats and minerals. Dec. 1933; Protein requirements. Oct. 1933; Sugar. Sept. 1933; Vitamins. Jan. 1934; Water. Feb. 1934
- effect of ordinary coffee and of Kaffee Hag on functional capacity of circulatory organs before and after athletic sports. [E. Matthias] *München. med. Wchnschr.* April 13, 1934
- effect of sugar ingestion upon athletic performance. [Rudolf Vogeler and V. W. Ferguson] *Res. Quart.* Dec. 1932
- fundamentals of proper diet during training and participation in sports. [E. Grafe] *Verhandl. d. Gesellsch. f. Verdauungs- u. Stoffwechselkr.* (1936) 13:110-20. 1937
- in relation to physical efficiency. [G. E. Friend] *Brit. M. J.* Aug. 8, 1936
- influence of flesh eating on endurance. [Irving Fisher] *Yale Med. J.* March 1907
- nature of foodstuffs oxidized to provide energy in muscular exercise; use of protein as fuel in exercise [A. Canzanelli and D. L. Rapport] *Am. J. Physiol.* Nov. 1932
- nutrition in sports. [Bieling] *Fortschr. d. Therap.* July 25 and Aug. 10, 1927
- nutrition of famous athletes. [W. Heupke and A. Metzner] *München. med. Wchnschr.* May 13, 1938
- some questions as to suitable diets for athletes. [A. Tizzano] *Studium.* Aug. 1, 1933
- specific dynamic effect of meal consisting mainly of fat, protein or mixture of both, during rest and after physical exertion. [N. S. Savchenko] *Fiziol. zhur.* 21:241-49. 1936
- sugar in athletics. [Peter V. Karpovich] *Scholastic C.* Sept. 1933
- use of carbohydrates in diet to increase endurance during long-continued sports. [J. von Deschwendt] *Schweiz. med. Wchnschr.* Sept. 19, 1931
- vegetable versus meat diet. [Peter V. Karpovich] *Scholastic C.* April 1934
- DIVING. See Diving, coaching
- HISTORY. See also History
- training for athletic exercises, including aquatics and swimming. [W. E. Morden] 1s. 58p Seale. 1887
- MEDICAL SUPERVISION OF ATHLETES. See also Physiological Aspects
- duty of physician in determining physical and mental fitness of individual patient for sports. [Marloth] *Deutsche med. Wchnschr.* Aug. 11, 1933
- function tests of cardiovascular system to ascertain physical capacity for sports. [G. Lami] *Riforma med.* May 28, 1932
- medical supervision of varsity athletes by student health service. [C. V. Langton] *Proc. Am. Student Health A.* Dec. 1931

Coaching—Continued**MEDICAL SUPERVISION—Continued**

—muscular effort in competitive sport; proof of need for medical control. [A. Govaerts] Bruxelles-méd. June 14, 1936

—need of medical supervision; suggested memorandum form for individual histories. [Bellot] Gaz. méd. de France (Supp. Arch. droit climat. et hyg.). Sept. 1, 1932

OBSERVATION WINDOWS, USE IN, [Edward T. Kennedy] Swim. Pool Data & Ref. Ann. 5:56-57. 1937

—concrete tank can minimize coaches' problems. [A. E. Gordon] Beach & Pool. Aug. 1936

POLO. See also **Polo**

—playing and coaching water polo. [James R. Smith] \$2.50. Intersch. Sports Pub. Co. 1938

SPEED SWIMMING. See **Speed Swimming**

TRAINING FOR COMPETITION. See also **Coaching, diet; Physiological Aspects**

—analysis of the respiratory habits of trained swimmers. [Thomas M. Aycock, Loren H. Graaff and W. W. Tuttle] Res. Quart. May 1932

—blood changes and their significance in exercise and training. [Edward C. Schneider] Am. Phys. Educ. Rev. April 1927

—Bob Kiphuth: Yale's body builder. (il) Lit. Dig. Feb. 3, 1934

—British swimmers being left behind: how and why other nations are progressing: youth must have leadership and scientific training. [W. J. Howcroft] Swim. Times. Feb. 1935

—combination of calcium and carbohydrates in therapy of overtraining. [H. Heitan] Fortschr. d. Med. April 29, 1932

—condition during. (charts) [H. Herxheimer] Ztschr. f. klin. Med. 103:722-26. 1926. *Abstract* J. Am. Med. Assoc. Nov. 13, 1926

—dangers of sports without proper training. [P. Desfosses] Presse méd. Jan. 27, 1937

—dry-land training for a swimming champion. [Clarence A. Bush] Lit. Dig. May 15, 1926

—effect of swimming and training on metabolism of persons with and without training. [E. von Rosztóczy] Budapesti orvosi ujság. July 24, 1930

—effect of training on composition of blood. [T. T. Gurejew] Arbeitsphysiol. 5:489-96. 1932

—effect of training on glycogen content of muscle. [O. Kestner, C. E. Johnson and W. Laubmann] Arch. f. d. ges. Physiol. 227:539-45. 1931

—effect of training on recovery period following severe muscular exercise. [C. L. Gemmill] Am. J. Physiol. Feb. 1931

—electrocardiography during training for sports. [J. Csinády and B. Purjesz] Budapesti orvosi ujság. Oct. 20, 1932

—energy consumption, heart output and recovery quotient during training. [J. Kaup and A. Grosse] München. med. Wchnschr. Aug. 12, 1927

—factors governing success in competitive swimming. [T. K. Cureton, jr.] Swim. Guide. p48-62. 1934; also *Swim. Pool Data & Ref. Ann.* 4:49-55. 1936

—influence on circulatory function of blood after sports. [W. Missiuro and W. Czarnocka] Liége méd. Dec. 16, 1934

—keep our swimmers in the swim. [R. W. Bremner] Ath. J. Dec. 1934

—making swimming champions. (il) [Ray Daughters] Sat. Eve. Post. May 30, 1936

—medical aspects of. [D. C. Parmenter] Boston M. & S. J. July 12, 1923

—modern methods—breathing exercises for all swimmers. [W. Henry] Swim. April 1917

—my methods. (il) [Johnny Weissmuller and Clarence A. Bush] Sat. Eve. Post. March 8 and 29, 1930

—overtraining. [W. Knoll] Deutsche med. Wchnschr. Aug. 11, 1933

—physiology of. [N. Messerle] Schweiz. med. Wchnschr. Feb. 4, 1928

—queer machines train swimmers. (il) Pop. Sc. Sept. 1936

—stimulants in sports. [H. Heitan] Med. Welt. Feb. 14, 1931

—study of athletic condition in relation to circulation and weight. [J. L. Rothacher] Thesis. Springfield Col. 1928

—study of the effect of rhythmic training in swimming on the performance of the side and crawl strokes. [Margaret May Duncan] Thesis. 44p Univ. Washington. 1935

—symposium on training for speed swimming. [F. W. Luehring] Swim. Guide. p63-87. 1916-17

—training and coaching champions. [David R. Hacket] Beach & Pool. Oct. 1936

—training and overtraining. [H. Rautmann] München. med. Wchnschr. July 24, 1936

—training for athletics and health. [Alfred E. Parker] Hygeia. "Athletic heart." April 1934. "Golf and competitive swimming and tennis." March 1934

—training in swimming. [I. H. Cohen] J. Health & Phys. Educ. Dec. 1931

—training speed swimmers. [T. W. Sheffield] Am. Swimmer. Sept. 1923

—use of tobacco while participating in sports. [A. Tizzano] Morgagni. May 14, 1933

—value of rest. [F. Kirchberg] Umschau. June 18, 1927

—variations of blood pressure and pulse during training. [A. Govaerts] Arch. méd. belges. March 1927

Coal for Heating. See **Pool Buildings and Water, Heating of, coal for**

Coale, A. W. Are you a life saver? St. Nichol. June 1919

Cobbett, J. Racster. See Cobbett, Martin, jt. auth.

Cobbett, Martin. Swimming. (il) 64p Stokes. 1890

—**and J. Racster.** Swimming. (il) 1s. 64p Bell. 1891. 1895
Frequent reprints after 1895.

Coblentz, M. H. Sanitation in Baltimore. J. Am. Assoc. Hyg. & Baths. 11:23-30. 1929
Some fundamentals of swimming pool sanitation. (tables) Municipal Ind. p563-6. 1929
State supervision of swimming pools. Municipal Sanit. June 1932

Swimming pool sanitation in Baltimore. Pub. Works. Aug. 1928

Code of Requirements. See Pool Buildings, Ventilation of, code of requirements for; Pool Buildings and Water, Heating of, code of requirements for

Coffee, Effects of. See Coaching, diet for athletes

Coffin, H. Winter sports in Hawaii. Golden Bk. Dec. 1930

Coffin, T. D. L. Chromogenic organisms in swimming pools. J. Am. Water Works Assoc. Oct. 1924

Cohen, C. Control of algae growths in outdoor swimming pools. Am. City. Aug. 1927

Cohen, I. H. Training in swimming. J. Health & Phys. Educ. Dec. 1931

Cohen, T. H. Form in speed swimming. Ath. J. March 1935

Colby, Elbridge. Continuous competition increases interest. Am. Swimmer. Oct. 1923
Phenomenal growth of instruction in swimming and watermanship. School Life. June 1925; also Rev. of Rev. Aug. 1925; also Mind & Body. Sept. 1925
Swimming soldiers. \$1.25 129p U.S. Quartermaster Assoc. Lea. 1924; also Swim. June-July 1925
Swimming through literature. Bookman. Aug. 1926
Teaching swimming to soldiers. Am. Phys. Educ. Rev. March-April 1925

Cold as Cause of Disease. See Diseases, caused by cold and overexertion

Cole, D. B. Unusual small-town swimming pool. Am. City. April 1923

Cole, Norman B. Present day opinion regarding the relationship between athletics and the heart. Am. Phys. Educ. Rev. Nov. 1928

Colgate Forum. See Forums, Colgate

Colleges. See Curricula, colleges and universities; Curricula, program-planning; Meets, history of intercollegiate swimming; Meets, intercollegiate; Officiating, rules for swimming, diving and water polo; Polo, intercollegiate; Pools and Bathing Places, Construc-
tion of; Records; Recreational Swimming, leisure use; Teaching, women and girls; Tests, for college graduation; Values, for schools and colleges

Collet, Harold. Water softening and purification. 168p Spon, E. & F. N.; Spon. 1896. 1908

Collins, A. F. Gross life-belt (il) Sc. Am. Jan. 14, 1905

Collins, Earl K. Advantages of pools in prep schools and colleges. Beach & Pool. Oct. 1934
Advice to architects from men who manage pools. Swim. Pool Data & Ref. Ann. 4:46; 72. 1936

Aquatic Forum. Beach & Pool. Oct. 1936
Charges, fees, and admission prices. Beach & Pool. March, April and June 1936

Columbia Forum. Noted aquatic leaders in Eastern section of country to conduct forum in New York City. Rich program promised. Beach & Pool. April 1937
Construction and repair of swimming pools by the pneumatic pressure method. Accompanied by detailed construction costs and subsequent operating expenses. (il) Swim. Pool Data & Ref. Ann. 6:14-15. 1938; also Beach & Pool. April 1938

Design and construction of an Olympic swimming pool. (il) Swim. Pool Data & Ref. Ann. 3:29-32. 1935; also Beach & Pool. April-May 1935

Don't bathe in pools. Beach & Pool. Feb. 1934
Eliminate complaints by installing traffic control facilities within the pool. St. George Pool has reduced complaints and minor injuries by 90%. Beach & Pool. May 1937

Hotel del Coronado, Coronado, California, has installed an architect's dream. Beach & Pool. March 1935
How to publicize your equipment. Beach & Pool. Sept. 1937
Layout and operation of the world's largest indoor bathing establishment. Seven pools under one roof. (diag) Swim. Pool Data & Ref. Ann. 6:68-70. 1938
Play areas. Beach & Pool. Sept. 1935
Pool experience needed in Washington, D.C. Beach & Pool. Aug. 1935
Public versus private capital. Beach & Pool. Aug. 1935
Springboards. Beach & Pool. Sept. 1936
Swimming pool operators' problems. Swim. Pool Data & Ref. Ann. 4:30-32. 1936
Traffic control within the pool. Swim. Pool Data & Ref. Ann. 5:30-31. 1937
2,250 at 1935 clinic. Beach & Pool. Oct. 1935
Use caution in cleansing tile. Swim. Pool Data & Ref. Ann. 4:67-68. 1936

Collins, Earl K.—Continued

- (ed). Notable swimming pools. v1 \$2 Foreign \$3 120p Hoffman, Harris. 1933
- Continued as Swimming Pool Data & Reference Annual.
- (ed). Swimming pool data & reference annual. \$2 Foreign \$3 200p (varies slightly). Hoffman, Harris. Annual since 1934
- Continuation of Notable Swimming Pools.

Collins, Frank Dudley. Popular sports: their origin and development. 63p Rand McNally. 1935

Collins, Gilbert. Berlin via Blackpool. Swim. Times. Aug. 1935

Japan and America now. Swim. Times. Dec. 1935

Japanese in England. Swim. Times. Sept. 1936

Little about the Berlin venture. Swim. Times. Sept. 1936

New magic of swimming. 5s 184p Heinemann; also \$1.75 Ryerson. 1934

Newest swimming. 3s 6d 144p Heinemann. 1937

Scarborough. Swim. Times. Aug. 1937

Second centralised championships of the A. S. A. Swim. Times. Aug. 1936

Stop press on the German visit. Swim. Times. Aug. 1937

Wembley and Magdeburg: some retrospections. Swim. Times. Oct. 1934

Collins, Laurentine B. (ed). Health education: a program for girls in secondary schools. \$1.25 Detroit Board Educ. 1929

Collins, Leo F. See White, Alfred H. jt. auth.

Colorado State Board of Health. Rules and regulations for swimming pools and other public bathing places. Free. 3p Colorado State Board Health. 1937

Columbia Forum. See Forums, Columbia

Colwill, Reginald A. Back to the bottle. Swim. Times. Oct. 1935

Catching them really young. Swim. Times. Sept. 1935

Comberg, W. Ueber Badkonjunktivitis. Ztschr. f. Augenh. xliv, 13-38. 1920

Combination Beach and Pool. See Pools and Bathing Places, Operation of, combination beach and pool

Combs, Clarence C. Jones Beach State Park. Beach & Pool. June-July 1935

Combs, Hugh D. Insurance protection for pools and beaches. Beach & Pool. June-July 1936

Comic Dives and Stunts. See Diving; Recreational Swimming, games and stunts; Recreational Swimming, stunts

Committee on Recreation and Athletics. See Chicago City Council

Community Chest Finance for Pools. See Pools and Bathing Places, Financial Aspects of

Community Programs. See Recreational Swimming, programs

Competition

- See also Champions; Coaching; Distance Swimming; Diving; Diving, handicapping; Life Saving, contests; Life Saving, pentathlon; Meets; Olympics; Physiological Aspects; Polo; Publicity, through meets; Records; Respiration; Speed Swimming; Strokes
- competitive aquatics; diving. [E. H. Wood] Am. Phys. Educ. Rev. Jan. 1922
- continuous competition increases interest. [Elbridge Colby] Am. Swimmer. Oct. 1923
- diet as related to success in competitive swimming. [T. K. Cureton, jr.] Beach & Pool. Nov. 1933
- distribution of effort and time in champion competitive swimming. [Allan A. Hurley] Thesis. Univ. Iowa. 1938
- factors governing success in competitive swimming. [T. K. Cureton, jr.] Swim. Guide. p48-62. 1934; also Swim. Pool Data & Ref. Ann. 4:49-55. 1936
- in the swim. (ii) [Aileen Riggan] Collier's. May 9, 1931
- keep our swimmers in the swim. [R. W. Bremner] Ath. J. Dec. 1934
- literature of American school and college athletics. [W. C. Ryan, jr.] 305p Carnegie Found. Adv. Teach. 1929
- mass competition in swimming. [Lelia M. Finan] Am. Phys. Educ. Rev. Jan. 1929
- message to swimmers of the world. [Desborough] Swim. Times. May 1935
- organizing pupils for. [Edmund Meredith Waller] Thesis. Peabody Col. 1933
- smash your record. [Johnny Weissmuller] Am. Boy. Feb. 1930
- swimming news. [Gantner & Mattern Company] Free. Gantner & Mattern Issued irregularly, usually two or three times a year following aquatic events of national importance.
- swimming, short and long distance. [Jabez Wolfe] Foulsham
- tour with the President: great times with knights and nights of swimming. [B. W. Cummins] Swim. Times. Oct. 1937
- will to win. [Reginald Rickett] Swim. Times. Aug. 1934

EFFECTS OF. See also Diseases, tuberculosis; Physiological Aspects

- ability and physical constitution of former Olympic athletes and international contestants. [W. Jaensch and A. Hoffmann] München. med. Wchnschr. July 24, 1936
- deleterious effects of competitive athletics. [G. Bluma] Albany M. Ann. April 1927
- effect of athletic performance on subsequent mental functions. [E. Krause] Leibesübungen. June 20, 1933

- effect of muscular work and competition on gastric acidity. [Frances A. Hellebrandt and M. M. Miles] Am. J. Physiol. Oct. 1932
- effect of strenuous exertions on heart. [E. Kirch] Sitzungsb. d. phys.-med. Soz. zu Erlangen. (1929) 61:1-20. 1930
- scientific investigations in athletic events. [K. Fürst] München. med. Wchnschr. (Festschr. d. Sportärztesch., XI Olympischen Spielen). p28-31. 1936
- EMPIRE GAMES. See Meets, Empire Games For WOMEN AND GIRLS. See also Meets, A.A.U.; Olympics; Teaching, women and girls
- competition for girls. [F. R. Rogers] Am. Phys. Educ. Rev. March 1929
- evaluation of types of formal swimming competition for girls of high school age. [Natalie Reichart] Thesis. New York Univ. 1929
- final women's swimming and diving try-outs held at Astoria, Long Island, New York, July 11th and 12th, 1936. Section (p278-9) from Report of the American Olympic Committee. \$2 491p Am. Olympic Comm. 1936
- mermaids and muscle molls. [Paul Gallico] Cosmopol. July 1937
- swimming—women. [Herbert D. Holm] Beach & Pool. Jan. 1936
- HISTORY. See History; Meets, history of intercollegiate swimming
- IN AMERICA. See Champions; Coaching; Competition; Diving; Meets; Officiating; Professionals and Amateurs; Records; Speed Swimming
- IN AUSTRALIA, Australia's young swimmers. [Frank Beaurepaire] Swim. Times. Sept. 1937
- swimming situation in Australia. Am. Swimmer. April-May 1923
- water sports in Australia. [G. Maxwell] Travel. Dec. 1931
- IN BERMUDA, Bermuda's swimmers. [Terence E. Chalk] Swim. Times. Oct. 1934
- IN BRITISH MALAYA, swimming in British Malaya. [D. S. Waite] Swim. Times. April 1936
- IN CANADA. See also Speed Swimming
 - in chilly Quebec. [R. G. Austen] Swim. Times. Aug. 1934
 - will Canada repeat? [R. C. Wood] Swim. Times. Aug. 1934
- IN CUBA, improvement of aquatics in Cuba. (il) Gonzalo Silverio] Beach & Pool. Jan. 1938
- IN INDIA, story of the Bombay ducks. [J. L. Riordan] Swim. Times. Aug. 1934
- IN JAPAN. See Meets, Japan vs. America; Speed Swimming, American and Japanese
- IN NEW ZEALAND, New Zealand swimming annual. [New Zealand Amateur Swimming Association] Annual since 1891. New Zealand A.S.A.
- IN SCOTLAND, 1935 "looks good" for Scottish swimmers. [William Francis] Swim. Times. Feb. 1935
- Scottish champions on tour. Swim. Times. Dec. 1935
- IN SOUTH AFRICA, South Africa's best. [Findlayson] Swim. Times. Aug. 1934
- swimming in South Africa. [Harry Getz] Swim. Times. Aug. 1934
- IN SPAIN, my opinion of the Spanish swimmers. [Guy de Villepion] Swim. Times. Feb. 1936
- IN WALES, Wales and international swimming. [R. P. Green]
- Welsh notes. [R. P. Green] Appears monthly in Swim. Times
- Welsh swimming. [R. P. Green] Swim. Times. May 1934
- INTERNATIONAL REGULATIONS REGARDING, rules and laws governing swimming, diving and water polo 1937-1940, [Fédération Internationale de Natation Amateur] \$1 164p F.I.N.A. 1937 Obtainable in America from A.A.U.
- OVEREXERTION. See Diseases, caused by cold and overexertion
- POOLS FOR. See Pools and Bathing Places, Construction of, for competition
- TRAINING FOR. See Coaching, training
- COMPETITIVE SWIMMERS. See Champions; Competition
- CONCRETE FOR POOL CONSTRUCTION. See Pools and Bathing Places, Construction of, concrete and cement for
- CONFERENCE OF STATE SANITARY ENGINEERS. See American Public Health Association and the Conference of State Sanitary Engineers, Joint Committee on Bathing Places
- CONFERENCE ON STREAM POLLUTION AND STREAM PURIFICATION. Stream pollution and stream purification: report of Senator Augustine Lonergan, chairman of the conference with the Secretary of War, relative to the proposal to grant federal authority to prevent stream pollution and to provide for stream purification. 103p Gov. Printing Off. 1935
- Aquatic Conference of the South. [Frances A. Greenwood] J. Health & Phys. Educ. March 1937
- bacteriology, instruction, demonstrations and general aquatics featured during Southwest Pennsylvania Aquatic Conference. [Nathan H. Kaufman] Beach & Pool. Feb. 1938
- First National Y.M.C.A. Aquatic Conference. [T. K. Cureton, jr.] Beach & Pool. June 1937
- First National Y.M.C.A. Aquatic Conference. [Lawson Department Y.M.C.A., Chicago, Illinois] Beach & Pool. Feb. 1937
- LIFE SAVING. See Life Saving, conferences

Conference on Stream Pollution—Continued
 OPERATION. See Pools and Bathing Places,
 Operation of, conferences on
 WATER PURIFICATION. See Water Purification,
 conferences

Confidence. See Diving; Fear; Floating;
 Respiration; Safety; Teaching; Values

Congestion. See Drowning, causes of

Congrès International de Sauvetage, Paris, 1889. Committee composed of Emile Cacheux, Potel, Guibillon, Guillemin, de Baecker, Hamon and Chagnard, Congrès International de Sauvetage. Compte rendu des travaux du Congrès, tenu à Paris, les 12, 13, 14, 15 et 17 juin 1889. 246p Bib. Ann. Économ. 1890

Congress, International
 —concours internationaux d'exercices physiques et de sports (International congress of physical exercise and sports). [Paris Exposition Universelle, 1900] 2v Imprim. Nat. 1901-02

LIFE SAVING. See Life Saving, International Congress

Coni, E. R. Shower baths and swimming pools in schools. Semana médica. 26: 145. Feb. 6, 1919

Conjunctivitis. See Diseases, conjunctivitis

Connecticut State Board of Health. Sanitary code of the state of Connecticut. Free. 46p Connecticut State Board Health. 1937

Connett, H. See Hooker, D. R. jt. auth.

Conseil, J. A. La science des campagnes: premières leçons de natation. 111p Paris. 1865

Construction Materials Research Company. Construction materials index. Annual. Const. Mat. Research Co.

Construction of Pools. See Pools and Bathing Places, Construction of

Contests, Life Saving. See Life Saving, contests

Cook, Arthur. See Sinclair, Archibald, jt. ed.

Cook, G. M. Swimming pool constructed as relief measure, Youngstown, Ohio. (il) Am. City. Oct. 1932

Cook, J. H. Epidemics and their relation to swimming pools. Beach & Pool. Feb. 1931

Coombs, Frank E. King's Scout swimmer and rescuer. 20c Boy Scouts

Cooper, E. L.; O'Sullivan, J.; and Hughes, E. Athletics and heart: electrocardiographic and radiological study of response of healthy and diseased heart to exercise. M. J. Australia. April 17, 1937

Cooper, George A. Hero becomes Red Cross instructor. Red Cross Cou. May 1, 1925

Cooper, J. F. Our home-made swimming pool. (il) Sunset. Feb. 1932

Cooper, R. Lighting the municipal swimming pool in Chanute, Kansas. (il) Am. City. May 1934

Cooper, S. H. Restoring the breath of life. (il) Tech. World. Feb. 1914

Coördination Tests. See Tests, coördination

Copper and Copper Sulphate in Water Purification. See Water Purification, copper in

Coramine in Resuscitation. See Resuscitation, coramine in

Corbin, L. P. Swimming. Outing. July 1903

Corbin, Thomas W. Romance of light-houses and lifeboats. (il, diags) 311p Lippincott. 1926

Corrective Swimming and Underwater Gymnastics
 See also Spas; Thalassotherapy
 —consideration of body type in aquatic activities. [C. L. Lowman] Swim. Pool Data & Ref. Ann. 4:26-27. 1936

—corrective physical education. [Josephine L. Rathbone] \$2.50 292p Saunders. 1934

—hydrogymnastic exercises for acute injury; personal experience. [C. L. Lowman] Am. J. Surg. April 1932

—hydrogymnastics and swimming for the physically handicapped. [Frances Eleanor Todd] Thesis. 28p Univ. California, Berkeley. 1933

The Physical Education Department lists this as: A study of swimming as a means of individual program adaptations in physical education.

—hydrogymnastics from the physical education standpoint. [C. L. Lowman and E. A. Bright] J. Health & Phys. Educ. April 1935

—physical education and physical therapy —past and present. [Ernst Hermann] J. Health & Phys. Educ. June 1937

—physical medicine applied to swimming. [G. G. Deaver and J. S. Coulter] Ath. J. Jan. 1933

—physical therapy under water. [C. L. Lowman] Beach & Pool. June 1933

—place of physical therapy in a physical activity program. [W. C. Freeman] J. Health & Phys. Educ. Dec. 1933

—present day problems in physical education. [C. L. Lowman] Am. Phys. Educ. Rev. Oct. 1921

—spectroscopic study of blood during hydrotherapy. [Y. Kermorgant] Gaz. méd. de France (Supp. Stat. therm. franc., no.10). 45:14-16. 1938

—subaqual gymnastics. [W. Wendel] Zentralbl. f. Chir. Jan. 11, 1936

—swimming as applied to special cases and kinesiology of the strokes. [Lillian C. Drew, Grace A. Thomas and Charles B. Scully] Stearns & Beale. 1926

—technique of underwater gymnastics. [C. L. Lowman, Susan Roen, Ruth Aust and Helen Paull] \$5 276p Am. Pub. 1937

—therapeutic uses of swimming. [W. P. Beazell] Beach & Pool. April 1936

—underwater exercises. Lancet. July 17, 1937. Abstract Physiotherapy Rev. Nov.-Dec. 1937

—underwater gymnastics. [C. L. Lowman] *J. Am. Med. Assoc.* Oct. 10, 1931; *also Mind & Body*. May 1932

—underwater gymnastics in the prevention and correction of physical deviations. (il, tables, bib) [E. A. Bright] Thesis. 119p Univ. Southern California. 1934

CRAWL STROKE, therapeutic significance of crawl stroke. [M. Piaggio] *Riv. di sc. applicate all'educ. fis. e giovan.* May-June 1931

FOR **ARTHRITIS**, underwater therapy in chronic arthritis. [E. M. Smith] *Arch. Phys. Therapy*. Sept. 1935

—underwater therapy in treatment of chronic arthritis. [E. M. Smith] *J. Arkansas M. Soc.* Feb. 1936

FOR **CARDIOVASCULAR DISORDERS**, exercise in cardiac disease. [D. P. Barr] *J. Am. Med. Assoc.* Nov. 3, 1938

—hydrotherapy in cardiovascular disorders. [John Harvey Kellogg] *Kellogg Co.* 1916

—physical exercise in cardiac and metabolic diseases. [Peter V. Karpovich] *J. Health & Phys. Educ.* Oct. 1935

—strengthening heart and production of true cardiac hypertrophy by sports. [E. Kirch] *Ztschr. f. Kreislaufforsch.* Dec. 1, 1936

—swimming for children with cardiovascular diseases. [M. Brustmann] *Ge-sundh. u. Erziehg.* Feb. 1937

FOR **INFANTILE PARALYSIS**, after-care of poliomyelitis; physiotherapy in water. [C. L. Lowman] *Am. J. Nursing*. Jan. 1932

—hydrogymnastics in infantile paralysis. [K. G. Hansson] *Arch. Phys. Therapy*. Sept. 1931

—muscle training in the treatment of infantile paralysis. [Wilhelmine G. Wright] *Boston M. & S. J.* Dec. 23, 1927

—poliomyelitis treated in thermal baths of S. Agnese. [A. Bussi] *Riforma med.* Aug. 2, 1926

—swimming as an exercise in the treatment of infantile paralysis. [R. A. Elliott] *J. Health & Phys. Educ.* March 1932

—swimming in treatment of paralysis. [E. F. Buzzard] *Brit. M. J.* May 17, 1919

FOR **MUSCULARLY HANDICAPPED**. See **Corrective Swimming**, in muscle reeducation; **Cripples**

FOR **NEGATIVISM**, swimming as therapeutic aid in negativism. [J. E. Davis] *Mod. Hosp.* July 1931

FOR **OSTEOMYELITIS**, treatment of osteomyelitis in warm salt-water pool. [A. Brockway] *J. Bone & Joint Surg.* July 1932

FOR **POSTOPERATIVE CASES**, post operative use of therapeutic pools. [C. L. Lowman] *Northwest Med.* Dec. 1931

FOR **POSTURE IMPROVEMENT**, comparison of the swimming and games program as given to a group of high school sophomores for the improvement of posture. [D. V. Bahe] Thesis. 17p Univ. Wisconsin. 1928

—postural defect as obstacle in learning to swim. [W. Dega] *Verhandl. d. Gesellsch. f. Verdaulungs- u. Stoffwechselkr.* (1936) 13:132-36. 1937

—study of swimming techniques as a means of correcting certain postural abnormalities. [H. M. Fabricius] Thesis. Univ. Oregon. 1936

—underwater exercises for improvement of posture. [C. L. Lowman] Section (p43-7) from *Symposium on Posture*. 50c 60p *Phi Delta Pi*. Dorothy L. Zirbes, ed. 1938

—underwater gymnastics in the prevention and correction of physical deviations. (il, tables, bib) [E. A. Bright] Thesis. 119p Univ. Southern California. 1934

—value of swimming in the correction of scoliosis. [Charlotte W. Anderson] 17p Thesis. Univ. Wisconsin. 1928

FOR **SPASTIC PARALYSIS**, coordination exercises under water, in treatment of spastic paralysis. [B. Woodcock] *Physiotherapy Rev.* Jan.-Feb. 1931

IN **MUSCLE REEDUCATION**. See also **Cripples**

—aids in muscle training, with special reference to underwater exercises. [F. J. Gaenslen] *J. Am. Med. Assoc.* March 23, 1935

—new method of reeducative gymnastics. *Hydrogymnastics*. [P. Martin] *Rev. méd. de la Suisse Rom.* May 25, 1933

—physiological background of muscle reeducation. [A. Steindler] *Arch. Phys. Therapy*. Nov. 1931

—regaining of standing and walking ability from exercises under water after bone fractures, diseases of joints and muscles, etc. [F. Lenoch] *Ztschr. f. Kurortwiss.* June 1932

—some observations on muscle training under water. [Ruth Aust] *Physiotherapy Rev.* March-April 1933

—technique of water gymnastics in muscular re-education. [C. L. Lowman and Susan Roen] *Am. Phys. Educ. Rev.* Oct. 1928

IN **ORTHOPEDIC WORK**, concerning orthopedic swimming. [L. Reinheimer] *Ztschr. f. Schulgesund. u. Soz. Hyg.* 39:10-13. 1926

—swimming tank as aid in orthopedic work. [E. Smith] *Mod. Hosp.* April 1928

—under water gymnasium as adjunct to orthopaedic surgery. [C. L. Lowman] *J. Bone & Joint Surg.* Jan. 1927

IN **PEDIATRICS**, hydrotherapy in pediatrics. [J. L. Ward] *Arch. Pediat.* Sept. 1928

BIBLIOGRAPHY OF SWIMMING

Corrective Swimming—Continued

INSTITUTIONS, cruise of the good ship "Polio": brief discussion of work done in the warm-water pools at Junior League Home for Crippled Children, Nashville, Tennessee. [Elizabeth W. Thomson] Physiotherapy Rev. May-June 1938

—organization and technic of subaqual exercises used in Warm Springs, Georgia. [P. Haertl] Deutsche med. Wchnschr. March 13, 1936

—swimming at Spalding. [Victoria B. Vacha] Physiotherapy Rev. May-June 1938

—swimming in Walter Reed Military Hospital. [E. L. Heck] Mod. Hosp. Sept. 1919

TANKS. See Pools and Bathing Places, therapeutic

VALUES. See also Corrective Swimming

—corrective value of swimming. [Hope Tisdale] J. Health & Phys. Educ. Sept. 1936

—survey of the actual value of hydrotherapy. [Guy Hinsdale] J. Am. Med. Assoc. Aug. 13, 1927

—therapeutic values of swimming. [G. H. Corsan] Barnes. 1926

—value of a therapeutic program. [Hope Tisdale] Res. Quart. Oct. 1934

—value of swimming bath for exercise and for therapeutic purposes. [H. Minning] Deutsche med. Wchnschr. April 30, 1937

Corrosion in Pool Buildings. See Pools and Bathing Places, Operation of, rust and corrosion

Corsan, G. H. At home in the water: swimming, diving, life-saving, water sports, natatoriums. 145p 1910. Rev. and enl. ed. \$1 197p 1914. Pocket ed. 25c. Assoc. Press. 1916

Brief natatorial. Ask me another. (il) Country Life. July 1927

Building of a swimming pool. Country Life. March 1926

Diving and swimming book. \$3 162p (varies). Barnes; Lib. Press. 1924. 1925. 1926. 1929

Don't ruin your pupils. Phys. Train. May 1924

For normal development of swimming. Good Health. Aug. 1925

Fundamental swimming strokes. Country Life. Aug. 1923

Fundamentals of successful swimming. Country Life. July 1923

How do you swim? Good Health. June 1924

Land drill for crawl. Phys. Train. Feb. 1910

Learning the crawl stroke. Country Life. July 1926

Paddle your own canoe, but first learn to swim. Phys. Train. April 1923

Proper temperature of swimming pool. Playground. Jan. 1915

Some unusual swimming strokes. Country Life. Aug. 1926

Splash! St. Nichol. Aug. 1922

Swim and keep fit. Good Health. June 1926

Swim your way to slimness. Good Health. July 1925

Swimming for women. 10c Womans Press. 1919

Teaching swimming at wholesale. Phys. Train. Dec. 1909

Therapeutic values of swimming. Barnes. 1926

Corti, Adolfo. L'arte del nuoto. 171p Fracasso. 1819

Coryllos, P. N. Mechanical resuscitation in advanced forms of asphyxia. Clinical and experimental study in different methods of resuscitation. Surg. Gynec. & Obst. April 1938

Costello, M. J. See Murphy, Edward J. jt. auth.

Costs of Heating Pools. See Pool Buildings and Water, Heating of, costs

Costs of Operating Pools. See Pools and Bathing Places, Financial Aspects of, construction and operation

Costs of Pool Construction. See Pools and Bathing Places, Financial Aspects of, construction and operation

Costs of Pool Equipment. See Pools and Bathing Places, Financial Aspects of; Pools and Bathing Places, Financial Aspects of, construction and operation

Costs of Water Softening. See Water Softening, costs

Cot, Charles. Ecole pratique du secouriste spécialisé en asphyxies; temps de guerre et temps de paix. 188p François. 1935

La respiration artificielle dans les asphyxies accidentelles. Méthode manuelle et méthode mécanique. Hôpital. April 1933

—and others, Techniques de réanimation dans les asphyxies accidentelles. Bull. Acad. de méd. Jan. 22, 1935

Cotton, T. F.; Rapport, D. L.; and Lewis, T. After-effects of exercise on pulse rate and systolic blood pressure in cases of irritable heart. Heart. 6: 269-84. 1916-17

Couch, H. N. Swimming among the Greeks and barbarians. Classical J. May 1934

Coulter, E. W. See Ruchhoff, C. C. jt. auth.

Coulter, J. S. See Deaver, G. G. jt. auth.

Counter Shock. See Resuscitation, by counter shock

Courtice, F. C. and Douglas, C. G. Effects of prolonged muscular exercise. Proc. Roy. Soc. London, s.B. March 2, 1936

Courtivron, le vicomte L. de. De la natation et de son application à l'art de la guerre. (il with 12 lithographs) 1st ed. 146p 1823; 2nd ed. 146p with 60 page preface added. Boucher. 1824

Traité complète de natation. Essai sur son application à l'art de la guerre. 588p Pilau de la Forest. 1836

Cove-Smith, R. Sports, games and sea bathing. *J. State Med.* June 1937
—See Daggett, W. J. jt. auth.

Covington, H. L. jr. Jacksonville has a well-equipped new swimming pool. (ii) *Am. City*. Sept. 1929

Cowell, E. M. Artificial respiration. *Swim. Times*. June 1935

Cox, C. G. Camp sanitation is an important public health problem. *Nation's Health*. July 1926

Cox, C. R. See Holmquist, C. A. jt. auth.

Cox, Norman. Influence of American technique on Canadian speed swimming. *Swim. Times*. Feb. 1935

Natural laws of speed swimming. \$1 53p Vancouver, B.C., 921 Pacific St., Thomas F. Cox. 1933

Natural laws of speed swimming: a reference work for students and teachers. Subject: dual-rhythm crawl. *Swim. Times*. June, July, Sept., Oct. and Dec. 1934 and May, June and Sept. 1935

Cox, Samuel Sullivan. Life-saving, its agents and service. *Congressional Rec*, p1-4 1879
Speech in House of Representatives, Feb. 10, 1879 (45th Congress)

Coy, Delphine Harris. Rainbow fountain and the harp of Apollo. Pa. 30c 28p Womans Press. 1930

Coyle, Thomas. Everybody a swimmer: containing full instructions how to learn to swim, together with incidents in the career of the author. 44p Melville & Haas. 1884

Crabb, Anna Elizabeth. Suggested course of study materials in maintaining physical, mental, and emotional health for eighth grade girls. Thesis. Univ. Georgia. 1937

Camarossa, S. Osservazioni sull'impianto e sul funzionamento delle piscine. *Gior. di batteriol. e immunol.* July 1935

Cramps
See also Life Saving; Safety
—causes of cramps—effect and prevention. [Lewis W. Aston] *Swim.* Jan. 1917
—cramps and their treatment. [R. E. Maysack] *Health*. June 1923
—muscle cramps. *Sc. Am.* April 1931
—muscular cramps. [G. E. Mott] *J. Am. Med. Assoc.* Feb. 5, 1927
—swimmer's cramp—its causes and how it may be avoided. [Guy Hinman] *Sc. Am.* Nov. 1921

Crampton, C. B. See Schneider, Edward C. jt. auth.

Crandell, Frank J. How to reinforce pool walls. *Swim. Pool Data & Ref. Ann.* 3:10-11. 1935

Crane, A. M. How to get best results in pools. *Beach & Pool*. Jan. 1929

Pool and beach sanitation. *Beach & Pool*. July 1930

Pool design and construction data. *J. Am. Assoc. Hyg. & Baths*. 14:53-64. 1930

Pool emergencies. *Notab. Swim. Pools*. 1:88-91. 1933

Pools and pools. *J. Am. Water Works Assoc.* Jan. 1929; *also Canad. Engin. Jan. 8, 1929; also Municipal News & Water Works*. Feb. 1929

Pools and waterworks. *J. Am. Water Works Assoc.* Aug. 1931

Precepts of the pool. *Am. Phys. Educ. Rev.* Dec. 1919

Safeguarding and care of the indoor swimming pool. *Am. Phys. Educ. Rev.* Jan. 1915

State regulation of bathing places. *J. Am. Assoc. Hyg. & Baths*. April 1927

Suggested methods of operation. *Beach & Pool*. Dec. 1937

Swimming pool maintenance. *J. Am. Assoc. Hyg. & Baths*. 4:74-84. 1922; *also Phys. Train.* Nov. 1923

Swimming pool standards and state laws by boards of health relative to swimming pools. *J. Am. Assoc. Hyg. & Baths*. April 1924

Swimming pool standards, uniform and practicable regulations. *Nation's Bus.* Feb. 1924; *also Am. Phys. Educ. Rev.* Feb. 15, 1924

What should a code of swimming pool standards embody? *Beach & Pool*. Jan. 1927

What to do when emergencies arise during the operation of a swimming pool. *Beach & Pool*. May 1937

Cranston, C. E. Natural basis for a teaching method in swimming. *Springfield Col.* 1933
Student project.

Cranston, C. K. Municipal natatorium. *Am. City*. Aug. 1916

Cranston, Olive. Municipal swimming pools in Philadelphia. *Beach & Pool*. Oct. 1935

Craster, C. V. Outdoor pool; obvious need for clean pools. *Am. J. Pub. Health*. Nov. 1919

Crawl Stroke. See Strokes, crawl

Crawley, Rawdon. Book of manly games for boys. *Swimming*. p225-53. Tegg. 1869
Swimming, skating, rinking and sleighing, their theory and practice. (Captain Crawley's Handbooks). 1s. 128p Ward, Lock. 1878

Crawshaw, M. Swimming in American universities. *Swim. Times*. May 1935

Cripples
See also Corrective Swimming
—hydrogymnastics and swimming for the physically handicapped. [Frances Eleanor Todd] 28p Thesis. Univ. California, Berkeley. 1933
The Physical Education Department lists this as: A study of swimming as a means of individual program adaptations in physical education.
—physical education of cripples. [F. Heiss] *Ztschr. f. Krüppelfürsorge*. July-Aug. 1937

BIBLIOGRAPHY OF SWIMMING

Cripples—Continued

- physical exercise for handicapped. [F. Heiss] Med. Klin. July 17-24, 1936
- swimming for cripples. Mind & Body. Dec. 1919
- swimming: the sport of cripples. Lit. Dig. July 12, 1919
- thinking in terms of the physically handicapped. [H. F. Enlows] Red Cross Cou. Feb. 15, 1927
- water activities for the muscularly handicapped. [Josephine L. Rathbone] Aquat. p40-2. 1931-32

Crocker, J. H. Sanitary conditions of swimming pools. Nation's Health. Jan. 1923

Croft, Amy. How I learnt to swim. Victoria Mag. 1880

Croft, H. H. S. See Elyot, Thomas

Croft, H. P. Pool sanitation, a public health problem. Beach & Pool. Aug. 1927

Swim and be healthy, but sanitation of the pool is vital. (il) New Jersey Municip. July 1931

Swimming pool sanitation, a public health problem. J. Am. Assoc. Hyg. & Baths. April 1927

Cross, Alfred William Stephens. Public baths and wash-houses: a treatise on their planning, design, arrangement and fitting, having special regard to the acts arranging for their provision. (il, plans) 281p Batsford; also \$7.50 Scribner's. 1906

- and K. M. B. Modern public baths and wash houses. 2s. 6d. Simpkin, Marshall. 1930
- A publication of the Amateur Swimming Association of England.

Cross, Handley. Bob Kiphuth says. Sport St. June 8, 1928

Cross, K. M. B. Planning and designing of public and private swimming baths. J. Roy. Inst. Brit. Architects. Jan 13, 1934

Public baths and their future development. J. Roy. San. Inst. Oct. 1927

- See Cross, Alfred William Stephens, jt. auth.

Crowell, C. See Bazett, H. C. jt. auth.

Crowther, F. D. Swimming pool lighting. Parks & Recrea. May-June 1930

Cruikshank, J. A. Calcium hypochlorite in water purification. J. Am. Med. Assoc. May 10, 1913

Csillagh, Carl. Der philantropische Schwimmmeister. 43p Vienna. 1841

Csínády, J. and Purjesz, B. Electrocardiography during training for sports. Budapesti orvosi ujság. Oct. 20, 1932

Cuba, Competition in. See Competition, in Cuba

Cubbon, Loraine L. and R. C. Confidence method of teaching swimming. Army & Navy Y.M.C.A. 1917

Cubbon, R. C. Learn to swim this year. Assoc. Men. March 1925

- See Cubbon, Loraine L. jt. auth.

Cullom, Burt. W.P.A. pool buildings in Tennessee. Beach & Pool. March 1937

Cumming, H. S. Sanitation of swimming pools, wading pools, and bathing beaches. Am. City. Sept. 1930

Cummins, B. W. Modern swimming facilities. Municipal Engin. Aug. 25, 1932

Professionals or amateurs? The southern counties executive warning. Swim. Times. Feb. 1935

Swimmers' coaches. Swim. Times. May 1934

Swimmers' Parliament. Swim. Times. May 1934

Tour with the President: great times with knights and nights of swimming. Swim. Times. Oct. 1937

Cunningham, E. Super-sanitary swimming pool installation. Domest. Engin. 97: 621-24. 1921

Curative Values of Swimming. See Values, curative

Cureton, T. K. jr. Analysis of the crawl stroke. Thesis. Springfield Col. 1930

Analysis of the errors of stop watch timing. Res. Quart. May 1933

Course of beginner's swimming and diving instruction. Beach & Pool. Nov.-Dec. 1934

Diet as related to success in competitive swimming. Beach & Pool. Nov. 1933; also Beach & Pool. Jan. 1934 with curves

Electrical device for flashing judges' awards in diving. Beach & Pool. Feb. 1934

Factors governing success in competitive swimming. Swim. Guide. p48-62. 1934; also Swim. Pool Data & Ref. Ann. 4:49-55. 1936

First National Y.M.C.A. Aquatic Conference. Beach & Pool. June 1937

How to teach swimming and diving. (il) \$3 238p Assoc. Press. 1934

Mechanics and kinesiology of swimming (the crawl flutter kick). Res. Quart. Dec. 1930; also Swim. Pool Data & Ref. Ann. 3:41-54. 1935; reprint Springfield, Mass. The Author

Mechanics of swimming (the crawl arm-stroke). Beach & Pool. May 1930

Natural and artificial buoyancy, flotation and body balance in the water. Beach & Pool. Sept. 1933

Objective tests of swimming. Thesis. Springfield Col. 1930; abstract Beach & Pool. July 1931

Observations and tests of swimming at the 1932 Olympic Games. J. Health & Phys. Educ. March 1933

Philosophy of the Y.M.C.A. aquatic program in service to community. Beach & Pool. Sept.-Oct. 1937

Practice of teaching of intermediate swimming and diving. \$1.50 Springfield, Mass. The Author

Problems and experimental studies on the teaching of swimming and diving. Beach & Pool. June-Oct. 1933

Psychology of swimming instruction. Beach & Pool. May and June 1931

Recreational swimming activities. \$1.50 55p Springfield, Mass. The Author. Mimeo. 1931

Relationship of respiration to speed efficiency in swimming. Res. Quart. March 1930

Scientific pedagogy of swimming and diving. Beach & Pool. June 1933

Scope of coaching swimming and diving. Swim. Pool World. March 1932

Stop watch method for testing the efficiency of speed swimmers. Beach & Pool. Feb. 1930

Teaching of elementary swimming and diving. Mimeo. \$2 Springfield, Mass. The Author. 1931

Test for endurance in speed swimming. Res. Quart. (Supp.) May 1935

Water program for camps. Pa. 60c 162p Blakiston. 1929
Published for the American Red Cross.

Curricula
See also Recreational Swimming, programs

—athletics in education (il) [J. F. Williams and W. L. Hughes] 1st ed. \$3 414p 1930; 2nd ed. rev. \$3.50 472p Saunders. 1936

—Colburn's United Service Magazine. v2 London. Nov. 1886
Contains several articles on swimming, including report of the fact that Sir Thomas Elyot in his *Boke of the Governewr*, Roger Ascham in his *Schoolmaster*, Locke in his work on education and J. J. Rousseau in *Emile* advocate swimming in the early stages of education.

—curriculum in sports. [Seward C. Staley] \$2.50 373p Saunders. 1935

—does our physical activity program function as health education? [W. H. York] Journal-Lancet. June 1938

—program of aquatic education. [Marie W. Bishop] Swim. Pool Data & Ref. Ann. 4:69. 1936

—recent developments in swimming and water sports. [Marjorie Camp] J. Health & Phys. Educ. May 1934

—swimming: a study of some present programs. [Dorothy J. Dodge] Term paper for Miss Trilling's seminar. University of Wisconsin. Summer, 1932
Unpublished.

—swimming as an educational sport. [J. Maronneaud] Gaz. méd. de France (Supp. Climat. d'été). June 1, 1937

—three months indoor swimming program. [W. E. Longfellow] Am. Swimmer. Nov.-Dec. 1923

—water sports news [Ann Avery Smith] J. Health & Phys. Educ. April 1936

AMERICAN RED CROSS. See also Aquatic Schools

—aquatic field as advised by the Red Cross Courier. Beach & Pool. Jan. 1937

—get the most out of aquatics. (il) [Carroll L. Bryant] Beach & Pool. May 1938

—life saving and water safety. [American Red Cross] 60c 267p Blakiston. 1937

—Red Cross life saving methods. [American Red Cross] Rev. Free. 28p A.R.C. March 1932

—swimming and diving. [American Red Cross] 60c 271p Blakiston. 1938

Boy Scouts, scout swimming and water safety program. [Boy Scouts of America] 142p Boy Scouts. 1924

—swimming and water safety. [Boy Scouts of America] 75c 1927; 75c 1929; 60c 248p Boy Scouts. 1931

—waterfront period: Boy Scout camps. [Boy Scouts of America] Section (p840-2) from Handbook for Scoutmasters. v2 \$1.75 Boy Scouts. 1938

CAMP FIRE GIRLS, book of aquatics. [Camp Fire Girls, Inc., American Red Cross and Marjorie Camp] 63p Camp Fire Outfit Co. 1925

—camp directors' bulletin, including minimum standards for Camp Fire Girls' camps. [Camp Fire Girls, Inc.] Mimeo. 95p Camp Fire Girls. 1927. 1932

—health craft honors: water activities. [Camp Fire Girls, Inc.] Section (p36-7) from Book of the Camp Fire Girls. 247p Camp Fire Girls. 1936

—swimming honors: descriptions of tests leading to emblems for polliwogs, frogs, fish and flying fish. [Camp Fire Girls, Inc.] Section (p41-3) from Book of the Camp Fire Girls. 247p Camp Fire Girls. 1936

CAMPS. See also Curricula

—charting progress in swimming and water activities at camp. [H. S. DeGroat] Am. Phys. Educ. Rev. May 1923

—from tadpole to seal—swimming in an organized summer camp. [Marie Mancheel] J. Health & Phys. Educ. June 1932

—handbook for camp counselors. [Pacific Camp Directors Association. Rosalind Cassidy and Homer Bemiss, editors] \$1 94p Oakland, Calif., P.O. Box 796, Homer Bemiss. 1935

—successful swimming teaching programs at camps. [Fred C. Mills] Camper & Hiker. May 1929

—swimming and life saving program for summer camps. [John A. Torney, Jr.] J. Health & Phys. Educ. June 1937

—swimming and life saving standards for summer camps. [Camp Directors Association, Swimming Committee and F. W. Luehring] Free. 12p Camp Dir. Assoc. 1920. Rev. 1921. 1922. 1923. 1927. 1928

—swimming at a summer camp: recreation, health, safety. [William H. Harris] Am. Swimmer. May 1922

—swimming for camps. [W. H. Ball] Assoc. Boys. June 1911

BIBLIOGRAPHY OF SWIMMING

Curricula—Continued**Camps—Continued**

—swimming program in a girls' camp. [Cecelia Deubig] Am. Swimmer. June-Aug. 1922

—water program for camps, discussing organization of staff and duties of councilors, particularly those charged with waterfront work. [T. K. Curreton, Jr. Published for the American Red Cross] Pa. 60c 162p Blakiston. 1929

CARDINAL PRINCIPLES OF EDUCATION, aims of swimming in terms of. [Marie W. Bishop] Swim. Pool Data & Ref. Ann. 4:69-70. 1936

—physical education contributes to. [W. R. La Porte] J. Health & Phys. Educ. March 1933

COLLEGES AND UNIVERSITIES, book of school and college sports. [R. H. Barbour] \$1.75 Appleton-Century. 1904

—experimental study of beginning strokes in swimming for girls of college age. [C. P. McClanahan] Thesis. 66p Univ. Wisconsin. 1929

—physical education in American colleges and universities. [Marie M. Ready] 10c 51p U.S. Dept. Interior. 1927. *Abstract Am. Phys. Educ. Rev.* Dec. 1927

—rating of the swimming ability of women at the University of California. [Ann Avery Smith] Thesis. 129p Univ. California, Berkeley. 1932

—reasons for which students were excused from compulsory life-saving swimming courses during winter semester, 1936-1937, at University of Freiburg. [A. Albert] Med. Klin. 33: 1137-40. Aug. 20, 1937

—results of questionnaires on the teaching of swimming in 14 accredited colleges. [Ann Avery Smith] Mind & Body. June 1928

—résumé of the physical education activity program in colleges for women. [Margaret C. Barr] Res. Quart. Oct. 1933

—survey of the program of swimming activities for women in colleges and universities in the United States. [Helen Magrane] Thesis. 92p Univ. Washington. 1932

—swimming and life saving requirements in educational institutions. [F. W. Luehring] Swim. Guide. p88-93. 1916-17

—swimming for college women. [Shirley Winsberg] Thesis. Wellesley Col. 1938

—swimming for women in colleges and universities. [Elizabeth H. Hastie] Aquat. p17-20. 1931-32

—swimming in American universities. [M. Crawshaw] Swim. Times. May 1935

—swimming in the universities. [R. F. Kerslake] Swim. Times. May 1935

—swimming program for women physical education majors in the professional training institutions throughout the country. [Blythe Helen Scheel] Thesis. 152p New York Univ. 1932

COMMUNITY PROGRAMS. See **Recreational Swimming, programs**

Girl Scouts, badges and awards of a Girl Scout local council. [Girl Scouts, Inc., Program Division] Girl Scouts. April 1930

—Girl Scout camps: administration, minimum standards, waterfront safety. [Girl Scouts, Inc.] \$1 270p Girl Scouts. 1934

—life saver badge. [Girl Scouts, Inc.] Section (p53) from Girl Scout Program Revised 1938. 112p Girl Scouts

—swimmer badge. [Girl Scouts, Inc.] Section (p51-2) from Girl Scout Program Revised 1938. 112p Girl Scouts

—swimming and life saving. [Girl Scouts, Inc.] Chapter (p347-65) from Girl Scout Handbook. 60c 575p Girl Scouts. 1933

MUNICIPAL PROGRAMS. See **Recreational Swimming, programs**

PROGRAM-PLANNING, consideration of body type in aquatic activities. [C. L. Lowman] Swim. Pool Data & Ref. Ann. 4:26-27. 1936

—every person a swimmer, every swimmer a life saver. [H. F. Enlows] Michigan State Health Bull. Aug. 1925

—evolution of physical training as a factor in health and education with special reference to swimming. [W. H. Thaler] Mind & Body. Sept.-Oct. 1920

—for normal development of swimming. [G. H. Corsan] Good Health. Aug. 1925

—give swimming its rightful place. [Howard T. Ploessl] Ath. J. Sept. 1935

—health as an educational aim. [Lily Wingo Brooks] Thesis. Univ. Georgia. 1926

—how long? [T. W. Sheffield] Beach & Pool. March 1932

—inadequacies of the present program of physical education activities for girls to provide recreational interests for leisure time. [Emma Lucy Wilder] Thesis. Harvard Univ. 1934

—interests and abilities as a basis for program planning. [Elsie Jacobsen Stuhr] Res. Quart. May 1936

—organizing pupils for competition in physical education activities. [Edmund Meredith Waller] Thesis. Peabody Col. 1933

—physical education and swimming. [David A. Armbruster] Swim. Oct. 1924

—place of water sports in physical education. [G. Pezzl] Ann. di med. nav. e colon. July-Aug. 1934

- program of physical education and a study of its carry-over effects. [Paul D. Guernsey] *J. Health & Phys. Educ.* June 1933
- relation of swimming to other sports. [H. McDonald] *Swim.* March 1925
- study of relative values of thirty important activities in the physical education program for boys. [W. R. La Porte] *Res. Quart.* March 1931
- swimming and life saving as a part of our physical education program. [W. F. Kent] *Volta Rev.* Sept. 1931
- swimming as a factor in physical education and health education. [L. D. Ricker] Thesis. Univ. Akron. 1930
- swimming as a health education activity. [V. S. Blanchard] *Detroit Educ. Bull.* May 1931
- swimming; how does swimming correlate with physical education. [Tom Robinson] *Am. Phys. Educ. Rev.* Oct. 1920
- swimming—its place in the physical education program. [W. H. Orion] *Swim. Pool Data & Ref. Ann.* 4:16. 1936
- swimming's place in education. [Frank S. Lloyd] *Beach & Pool.* Sept. 1937
- what forms of physical activities have the desired educational influence? [C. Diem] *Mind & Body.* Sept.-Oct. 1932
- what is an adequate health program. [T. V. Hiscock] *New England J. Med.* Dec. 20, 1934
- SCHOOL. See also Pools and Bathing Places, Operation of, in schools
- book of school and college sports. [R. H. Barbour] \$1.75 Appleton-Century. 1904
- desirable physical facilities for an activity program. [F. M. Long] \$1.50 Bur. Publications. 1933
- effective use of the swimming pool. [C. L. Spain] *Am. School Board J.* Aug. 1930
- enquiry into the status of swimming pools in the high schools of California. (bib) [Russell S. Johnson] Thesis. 90p Univ. Southern California. 1935
- evaluation of boy's physical activities based on research and accepted objectives. [Curran Adams Farmer] Thesis. Peabody Col. 1934
- health education: a program for girls in secondary schools. *Section on Swimming.* [Laurentine B. Collins, ed] \$1.25 Detroit Board Educ. 1929
- history of certain sports as a part of general school education. *Section on Swimming.* [Julia D. Pennington] Thesis. Ohio State Univ. 1930
- more emphasis on swimming. [Howard T. Ploessl] *J. Educ.* May 21, 1934
- national survey of the organization and administration of extracurricular activities in senior and junior high schools. [Samuel Wasden Wood] Thesis. Univ. Georgia. 1932
- physical education activities for high school girls. [University of Michigan, Department of Physical Education for Women] Lea & Febiger. 1928
- pools in relation to high schools. [Howard T. Ploessl] *Beach & Pool.* Jan. 1936
- significance of swimming in an elementary school. [L. N. Luzzani] *Gior. d. r. Soc. Ital. d'ig.* 38:193-97. 1916
- something for secondary schools. [Joseph J. Burke] *Swim. Times.* Feb. 1936
- status of physical education for women in certain white secondary schools of the state of Georgia. [Mildred Cartledge] Thesis. Univ. Georgia. 1934
- suggested course of study materials in maintaining physical, mental, and emotional health for eighth grade girls. [Anna Elizabeth Crabb] Thesis. Univ. Georgia. 1937
- survey of athletics, health, and physical education programs of one hundred high schools in the U.S.: statistics showing percentages of high schools having and not having swimming pools. [Hiram Arthur Jones] Thesis. Northwestern Univ. 1929
- survey of swimming in Texas. [Virginia R. Clampitt] Thesis. Univ. Texas. 1935
- swimming a necessity in education. [H. Nissen] *Am. Phys. Educ. Rev.* 5:74-80. 1900
- swimming boys and girls. [Steinhalber and Beach] Free. Michigan State Dept. Educ.
- swimming in Cincinnati schools. *Am. Swimmer.* Jan. 1922
- swimming in public schools. [David A. Armbruster] *Swim.* Jan. 1925
- swimming in the elementary schools. [E. B. Koch] *Am. Phys. Educ. Rev.* Jan. 1915
- swimming in the high school. [Catherine Dittebrandt] *Service Bull.* Dec. 1937
- swimming in the public school. [B. Kappenburg] *Nederl. tijdschr. v. geneesk.* 2:345-48. 1917
- swimming is an important part of physical education. [A. Wittich] *Beach & Pool.* Jan. 1935
- swimming pools in public schools. [W. A. Stecher] *Mind & Body.* Nov. 1922
- swimming program in Virginia High School for Boys, Virginia, Minnesota. [Harry M. Boardman] *Mind & Body.* Nov. 1930
- to what extent should the board of education furnish facilities for the teaching and practice of swimming. [E. A. Peterson] *Mind & Body.* April 1917; also *Am. Phys. Educ. Rev.* May 1917
- value of swimming course in public schools. [G. Jones] *Red Cross Cou.* June 1, 1925

Curricula—Continued

STATE PROGRAMS. See Recreational Swimming, programs

Y.M.C.A., brief outline of swimming program of the Victor Lawson "Y". [Marjorie Everson] Beach & Pool. April 1936

—life saving and aquatics in Y.M.C.A. Phys. Train. June 1924

—national survey of intermediate swimming in the Y.M.C.A. [H. G. Morris] Thesis. Springfield Col. 1937

—national survey of the Y.M.C.A. life saving program. [D. S. Stone] Thesis. Springfield Col. 1937

—national swimming and life-saving program of Young Men's Christian Association. Phys. Train. April-June 1926

—philosophy of the Y.M.C.A. aquatic program in service to community. [T. K. Cureton, jr.] Beach & Pool. Sept.-Oct. 1937

—program of swimming for the Young Men's Christian Association. [Henry F. Kallenberg] \$1 56p Assoc. Press. 1924

—survey of the status of recreational aquatics in the Y.M.C.A. [K. E. L'Hommedieu] Thesis. Springfield Col. 1937

—two million men and boys have learned to swim at the "Y." [H. G. Stokes] Beach & Pool. March 1927

Currie, James. Medical reports, on the effects of water, cold and warm, as a remedy in fever and other diseases, whether applied to the surface of the body, or used internally. 2v Humphreys; Kite. 1808

Curtis, H. S. Bathing in the Hawaiian islands. Mind & Body. May 1921

Swimming pool. J. Educ. Aug. 31, 1916

Curtis, Katharine Whitney. Pageantry, contests and water games. Beach & Pool. Oct. 1937

Professor Bullfrog's school. *Section* (p212-17) from Swimming and Water Safety. 3rd ed. 75c 248p Boy Scouts. 1931

Source book of water pageantry. (il) Mimeo. Pa. \$1.75 129p Chicago, 1368 Sedgwick. The Author. Printed by College Press. 1936

Swimming stunts: water stunts, board stunts, tricks for single performers and for groups, and water games and races. *Swim. Pool Data & Ref. Ann.* 6:62-63. 1938

Curtis, T. R. Glory that was Greece (first Olympiad). Sportsman. July 1932

Curtius, Ernst. Olympia. Atl.-Verlag. 1935

Cutwater, Julius. Fine and froggy art of swimming. Fraser's Mag. Oct. 1842

Czarnetzky, E. J. Electro-ultra-filtration apparatus. (diag) Sc. (new series) Dec. 27, 1935

Czarnocka, W. See Missiuro, W. jt. auth.

D

Daggett, W. J. and Cove-Smith, R. Relation of ear conditions to bathing. Brit. M. J. Aug. 17, 1929

Daley, A. J. Don't splash, please! (il) Collier's. Feb. 19, 1938

Dalton, C. Things a woman should know in learning to swim. Outing. July 1904

Dalton, Davis. Art of swimming. (Dean's Champion Handbooks). 1s. 44p Dean. 1891

How to swim: a practical treatise upon the art of natation, together with instructions as to the best methods of saving persons imperilled in the water, and of resuscitating those apparently drowned. (il) \$1.50 133p Putnam. 1899

Dalton, Frank E. Back stroke vs. breast and crawl strokes. *Swim.* Nov. 1924

Drowning man is crazy; be firm with him. Lit. Dig. July 12, 1930

Swimming scientifically taught; a practical manual for young and old. (il) \$1.25 1912. 7th ed. \$1.75 1927; 8th ed. rev. \$1.75 247p Funk & Wagnalls. 1931

Teaching yourself to swim. *Delineator.* July-Sept. 1918

—and **Dalton, L. C.** Swimming scientifically taught; a practical manual for young and old. (il) 3rd ed. \$1.25 Funk & Wagnalls. 1918

Dalton, John Wilfred. Life savers of Cape Cod. 152p Barta. 1902

Dalton, L. C. See Dalton, Frank E. jt. auth.

Dalton Plan for Teaching. See Teaching, Dalton plan

Dambach, J. I. See Williams, J. F. jt. auth.

Danforth, D. V. M. See Tonney, F. O. jt. auth.

Dangers. See Accidents; Coaching, training; Competition, effects of; Diseases; Diving; Drowning, causes of; Injuries; Life Saving; Polo, hazards; Polo, roughness; Public Health; Water Pollution

Daniel, I. Mechanism of production of crisis during hydromineral cure. România med. Aug. 1937

Daniels, Charles M.; Handley, L. de B.; and Wahle, Otto. Speed swimming. (Spalding's Athletic Library). Pa. 25c 90p Am. Sports Pub. 1914. 1919. 1920. 1926

—**Sinclair, Archibald and Johansson, H.** How to swim and save life. Brit. Sports Pub. 1907. 1919. 1922

Danielson, A. J. Chemistry and sanitation of the swimming pool. Phys. Train. June 1925

Danielson, R. E. Olympic Games. Sportsman. Sept. 1932

Tenth Olympiad. Sportsman. June 1932

Danish Life Saving. See Life Saving, Danish

Danish Life Saving Society. Nielsen method of artificial respiration. Typewritten. 3p Hellerup, Denmark. Holger Nielsen
Tests and experiments performed by the Danish Life Saving Society and reported to Colonel Nielsen by Aage Jensen, March 24, 1938.

Dantin, C. L'établissement de bains municipaux de la rue Blomet, à Paris. (il, diags, plans) Génie Civil. April 20, 1929

Darby, A. E. Proposed public baths for metropolitan borough of Bethnal Green. J. Am. Assoc. Hyg. & Baths. April 1927

Darling, E. H. Modern swimming pool construction. (il, plan) Canad. Pub. Health J. Sept. 1933
Municipal swimming pool at Hamilton. Canad. Engin. March 11, 1930

Rational design of swimming pools. Baths & Bath Engin. Sept. 1937

Darlington, F. W. See Bacharach, E. W., and Company, jt. auth.

Daughters, Ray. Making swimming champions. (il) Sat. Eve. Post. May 30, 1936

Dautrebande, L. and Clairbois, P. Sur les variations de la vitesse de l'air inspiré dans différentes conditions; travail, résistance respiratoire, entraînement. Ann. de physiol. 8:442-50. 1932

Davenport, John A. German trip in 1936: survey of swimming bath practice in Germany. Baths & Bath Engin. Oct. 1936
Rationalisation of baths planning and statistics. Baths & Bath Engin. Jan. and Feb. 1937
Role of circulation in bath water purification: an analysis and a discovery. Baths & Bath Engin. May 1938

Davenport, F. S. See Bushnell, L. D. jt. auth.

Davenport, S. J. See Sayers, R. R. jt. auth.

Davids, Wm. J. Life saving. Masters, Mates and Pilots Rev. p25, 27, 29. 1919

Davidson, H. Balanced design for swimming pool. Domest. Engin. Nov. 1932

Davies, H. W. Mechanical respiration. M. J. Australia. Nov. 2, 1935

Davies, Mabel. Specific gravity of the human body—an approach to analysis of body weight into muscle, bone, and fat quotas. Thesis. Wellesley Col. 1930

Davies, Grace B. Sinusitis and ear infections as related to swimming and diving. J. Health & Phys. Educ. May 1938
Swimming; its teaching, management, and program organization. (il) \$2.25 173p Lea & Febiger. 1932

Davis, A. H. See Pack, G. T. jt. auth.

Davis, B. L. Investigation into bacterial pollution of swimming baths. J. Roy. Army M. Corps. Feb., March, May and July 1933

Davis, F. J. H. See Schaafsma, N. D. R. jt. auth.

Davis, Helen Aline. Study of the effect of swimming on basal metabolism. Thesis. Peabody Col. 1935

Davis, J. E. Resocializing tendencies in physical education for mentally ill. Ment. Hyg. July 1931
Swimming as therapeutic aid in negativism. Mod. Hosp. July 1931

Davis, W. M. Undertow myth. Sc. Feb. 20, 1925

Davison, R. L. See Kocher, A. L. jt. auth.

Dawson, A. J. Britain's life boats. Hodder & Stoughton. 1923

Dawson, P. M. Effect of physical training and practice on the pulse rate and blood pressure during activity and during rest. Am. J. Physiol. 50:443

Day, Louis J. and Stedman, C. W. Treatise on swimming pool design: an elementary treatise on the construction, sanitation and operation of swimming pools. \$1 48p Josam Mfg. Co. 1937
Written with the cooperation of Josam Manufacturing Company, Engineering and Research Departments.
Also published as series of eleven articles in Beach & Pool beginning Feb. 1938; and in Swim. Pool Data & Ref. Ann. 6:41 supplementary section. 1938. Not in Index.

Deach, Dorothy. Relation between tests of motor ability and rate of learning to swim. Thesis. Univ. Illinois. 1934

Dean, R. Swimming hole in Chicago. Nat. Municipal Rev. March 1922

Death from Swimming. See Drowning

Deaver, G. G. and Coulter, J. S. Physical medicine applied to swimming. Ath. J. Jan. 1933
—See Lloyd, Frank S. jt. auth.

DeBrie, S. Swimming pools for country homes. Country Life. June 1923

Decathlon Tests. See Tests, California decathlon

Decker, A. C. and Menke, H. G. Water treatment with chlorinated copperas. (il, plan) Am. J. Pub. Health. April 1930

Decorations in Pools. See Pools and Bathing Places, Construction of, decorations

Defrançois, C. La locomotion dans l'eau, principes élémentaires de natation. 66p Rheims, France. 1870

Dega, W. Haltungsfehler als Hindernisse beim Crawlschwimmen. Verhandl. d. Gesellsch. f. Verdauungs- u. Stoffwechselkr. (1936) 13:132-36. 1937

Degener, Dick
—feats of Medica and Degener: highlights of title gala. [L. de B. Handley] Swim. Times. May 1935
—get up in the air: an interview with Dick Degener. [Franklin M. Reck] Am. Boy. Aug. 1934

DeGroat, H. S. Charting progress in swimming and water activities at camp. Am. Phys. Educ. Rev. May 1923
Points and cues in teaching life saving. Am. Phys. Educ. Rev. June 1923

BIBLIOGRAPHY OF SWIMMING

Dejean, C. La conjonctivité des piscines. Paris méd. Sept. 1, 1934

Delaware State Board of Health. Regulations pertaining to swimming pools and bathing places. Free. 3p Delaware State Board Health. 1937

De Mattia, G. See Gedda, L. jt. auth.

Denmark, Kommissionen Vedrørende Redningsvaesen, 1925. Betaenkning afgivet af Kommissionen af 1925 vedrørende det danske redningsvaesen. 91p Schultz. 1926

Denmark, Marineministeriet. Beretning om det danske redningsvaesens virksomhed. Annual. Denmark, Marinemin. Title varies: through 1898. Udarbejdet i Indenrigsministeriet; 1896-1905, Udarbejdet i Landbrugsmindisteriet; 1906-Udarbejdet i Marineministeriet.

Dennig, H. Beeinflussung des Säuven-Basenhaushalts als Heilmittel. Zentralbl. f. inn. Med. Feb. 13, 1932

Dennison, Baird. Open-air swimming baths: their design and construction. (il) Municipal Rev. Jan. 1933

Dennos, P. Old merry-go-round enters a new field. Beach & Pool. Feb. 1931

Dent, Geoffrey A. Morecambe and Heysham's new pool. Swim. Times. Dec. 1935

Depher, W. J. Infection from swimming. Phys. Train. Feb. 1924

Depierris, P. See Ginestous, E. jt. auth.

Depth of Water. See Diving, depth of water for; Polo, depth of water for

Dermatitis Bullosa Striata Pratensis. See Diseases, dermatitis

Dermatology. See Diseases, skin

Desborough. Message to swimmers of the world. Swim. Times. May 1935

Deschwenden, J. von. Zur Frage der Leistungssteigerung bei langdauernden Sportsübungen. Schweiz. med. Wchnschr. Sept. 19, 1931

Desfosses, P. Sports et travaux des champs; quelques vérités physiologiques utiles à rappeler. Presse méd. Jan. 27, 1937

Desfourneaux, Prevost. Manuel du nager ou de la pratique de l'art de nager. 166p 1788; 51p Cailleau. 1821
Published anonymously in 1790.

Designs for Pools. See Pools and Bathing Places, Construction of, designs for

Desjardins, Pete. America's eleven-year-old diving champion (Mary Hoerger). Swim. Times. Oct. 1935

Diving in America. Swim. Times. July 1935

Diving in England. Swim. Times. Sept. 1937

Generalities of diving. Swim. Times. July 1934

My greatest tour. Swim. Times. Dec. 1935

My impressions of the diving in Berlin. Swim. Times. Sept. 1936

Some impressions of my tour. Swim. Times. Aug. 1934

Technique in springboard diving: the run and take-off. Swim. Times. Aug. 1935

This English header. Swim. Times. Oct. 1935

Tricks of fancy diving. (il) Pop. Mechan. May 1930

—"little bronze statue from Florida." [E. J. Larkin] Swim. Times. Dec. 1936

—Pete Desjardins' 1935 tour. [E. J. Larkin] Swim. Times. June 1935

—Pete Desjardins—the inimitable. [E. J. Larkin] Swim. Times. Dec. 1935

—Pete Desjardins' tour, 1934. [G. la C. Baudains] Swim. Times. Dec. 1934

—running commentary on Pete Desjardins' record-breaking tour of the British Isles. Swim. Times. July-Aug. 1935

—running commentary on Pete Desjardins' record-breaking tour of the British Isles. [E. J. Larkin] Swim. Times. Sept. Oct. and Dec. 1935

—visit of Pete Desjardins, of Miami, Florida, U.S.A. Swim. Times. May, 1935

—See White, Albert C. jt. auth.

Desjardins, Russell T. How Wilmington has raised the sanitary standards of its nine swimming pools. Am. City. Aug. 1929

Sanitary control of swimming pools as practiced in Wilmington (Del.). Municipal Sanit. May 1931

Detter, W. H. Water supply and purification. Am. J. Pub. Health. July 1927

Deubig, Cecelia. Interpretation of Brink system for teaching beginners to swim. Am. Swimmer. Oct. 1922
Showing Neptune's daughter. Am. Swimmer. Nov.-Dec. 1922

Swimming program in a girls' camp. Am. Swimmer. June-Aug. 1922

Deutsch, F. Die Sportberatung an der Herzstation in Wien. Wien. med. Wchnschr. Feb. 25, 1928

Developmental Values of Swimming. See Values, developmental

Dewey, Evelyn. Dalton laboratory plan. \$2 Dutton. 1922

Dewey, Mae F. Water sports. Camps & Camping. p90-1. 1931

DeWindt, E. A. Practical care of school swimming pools. J. Chem. Educ. Dec. 1936

De Witt, Raymond Talmadge. Summary of essentials in ten books on teaching swimming. Thesis. Peabody Col. 1935

DeWitt, W. A. Summer sports. North Am. Rev. Aug. 1933

Di Stasio, J. & Company. General specifications and conditions. Swim. Pool Data & Ref. Ann. 4:60-62. 1936

Diagnosis of Death by Drowning. See Drowning, diagnosis of

Dickey, George D. See Bryden, Charles L. jt. auth.

Dickson, E. Come on in: interview with E. Holm. (il) Collier's. July 16, 1932

Dickson, K. Teaching swimming from the beach. *Canad. Mag.* Aug. 1937

Didié. Submersion et mort subite des baigneurs. *Rev. Scient.* Dec. 23, 1933

Diem, C. What forms of physical activities have the desired educational influence? *Mind & Body.* Sept.-Oct. 1932

Dienert, F. Filtration horizontale d'une eau. *Ann. d'hyg.* Feb. 1931

— and **Ettrillard, P.** Sur la recherche du B. coli dans les eaux. *Ann. Inst. Pasteur.* March 1931

Dierolf, Edward Diedrich. Swimming; be your own instructor. (il) 50c 21p Miller. 1915

Diet. See *Coaching, diet for athletes*

Dietel, H. Die Behandlung der Asphyxie Neugeborener mit Überdruckbeatmung. *Zentralbl. f. Gynäk.* May 14, 1938

Digby, Everard. De arte natandi libri duo, quorum prior regulas ipsius artis, posterior verò praxin demonstracionemque continet. 114p Dawson. 1587
Original in Latin. English translation by Middleton in 1595. English translation with additions by Percy in 1658. French translation by Thévenot. For dates see Thévenot.

Dill, D. B. Economy of muscular exercise. *Physiol. Rev.* April 1936

Dinn, W. B. Public baths in anti-gas defence. *Baths & Bath Engin.* Jan. 1937

Diseases and Infections. Prevention, Occurrence and Treatment
See also *Competition, effects of; Corrective Swimming; Pools and Bathing Places, Sanitation of; Public Health; Spas; Water Pollution*

- effect of bathing on eyes, ears, and throat. [G. B. McAuliffe] *Beach & Pool.* June 1927
- hygiene of swimming. [H. Marshall Taylor] *Tr. Sect. Laryng., Otol. & Rhin., A.M.A.* p192-7. 1932
- restating in their true proportions certain prejudices against swimming. [J. Maronneaud] *Gaz. méd. de France.* June 1, 1936
- sensory error while swimming due to disparity between feeling of strength and perception of effort expended in patient with rheumatism. [E. T. von Brücke] *Ztschr. f. Sinnesthysiol.* 67: 145-48. 1937
- testing of treatments by psychotecnical methods. [H. G. Scholtz] *Balneologe.* April 1938

ATHLETE's Foot. See *Diseases, skin*

BLADDER, bilharziosis of bladder from bathing in stagnant water; case. [R. D. Pollicaro] *Riforma med.* March 25, 1933

BRAIN ABSCESS, frontal lobe brain abscess following swimming. [S. E. Roberts] *J. Kansas M. Soc.* Aug. 1935

CAUSED BY COLD AND OVEREXERTION, exposure to cold and overexertion during participation in athletic events as predisposing causes of diseases. [N. Jagic and O. Zimmermann-Meinzinger] *München. med. Wchnschr.* Feb. 7, 1936

CAUSED BY JELLYFISH, disease symptoms of bathers in North Sea caused by contact with jelly-fish. [J. C. Berntrop, jr.] *Nederl. tijdschr. v. geneesk.* May 12, 1934

CONJUNCTIVITIS, catarrhal infection of eustachian tubes seemingly akin to swimming pool conjunctivitis. [K. Amersback] *Deutsche med. Wchnschr.* Aug. 4, 1921

—Cologne epidemic of swimming pool conjunctivitis. [N. Heubner] *Med. Klin.* March 6, 1921

—conjunctivitis contracted in swimming pools of Samarkand. [A. L. Kankrov] *Sovet. vestnik oftal.* July 1935

—conjunctivitis from bathing. [R. S. Rameev] *Sovet. vestnik oftal.* 7:471-73. 1935

—conjunctivitis from swimming pools. [Herford] *Ztschr. f. Med.-Beamte.* Jan. 1, 1927

—conjunctivitis from swimming pools; causes and prevention; cases. [J. M. Vila Ortiz, jr.] *Rev. méd. del Rosario.* Jan. 1934

—differential diagnosis of trachoma and conjunctivitis follicularis; study of swimming pool conjunctivitis. [A. Siegrist] *Schweiz. med. Wchnschr.* March 1928

—effect of bathing on eyes. [G. B. McAuliffe] *Beach & Pool.* June 1927

—etiologic rôle in conjunctivitis. [D. M. Velez] *An. Soc. mex. de oftal. y oto-rino-laring.* June 1928

—experiences with swimming pool conjunctivitis. [W. Comberg] *Ztschr. f. Augenh.* 44:13-38. 1920

—follicular conjunctivitis caused by bathing. [V. Morax] *Rev. internat. du trachome.* Jan. 1932

—follicular conjunctivitis contracted in pools. [C. Dejean] *Paris méd.* Sept. 1, 1934

—follicular conjunctivitis contracted in public baths. [F. Terrien] *Paris méd.* Nov. 11, 1922

—follicular conjunctivitis of type contracted in swimming pools. [V. Morax] *Bull. et mém. Soc. franç. d'opht.* 46:5-142. 1933

—infections—of conjunctiva, throat, etc.—from swimming pools. [Poelchau] *Med. Klin.* Feb. 5, 1937

—keratitis punctata superficialis and swimming pool conjunctivitis; discussion on some cases in Chinese. [W. P. Ling] *Chinese M. J.* Oct. 1936

—on pool conjunctivitis. [H. Fujita and Y. Nagashige] *Bull. Nav. M.A., Japan (abstract section).* March 15, 1936

BIBLIOGRAPHY OF SWIMMING

Diseases—Continued

CONJUNCTIVITIS—Continued

- pathogenesis of conjunctivitis from swimming pools. [R. Silva] *Gac. méd. de Mexico*. Sept. 1928
- relation of swimming pool conjunctivitis to trachoma. [G. Fodor] *Ztschr. f. Augenh.* Oct. 1927
- swimmer's conjunctivitis. [H. S. Gradle] *Illinois M. J.* Feb. 1916; *also Ophth. July 1916*
- swimming bath conjunctivitis. [C. A. Bahn] *New Orleans M. & S. J.* Feb. 1927
- swimming pool conjunctivitis. [F. Best] *München. med. Wchnschr.* April 28, 1922
- DERMATITIS BULLOSA STRIATA PRATENSIS, dermatitis bullosa striata pratensis resulting from bathing in open and lying in meadow grass. [R. Polland] *Med. Klin.* Sept. 2, 1932
- experiments showing that dermatitis following bathing in open is due to photocatalyzer present in plants rather than to light toxicity. [M. Kitchevatz] *Bull. Soc. franç. de dermat. et syph.* March 1936
- Oppenheim's dermatitis bullosa striata pratensis due to bathing in open, and resulting pigmentation. [F. de Napoli] *Bull. d. sc. med., Bologna*. Jan.-Feb. 1934
- Oppenheim's dermatitis bullosa striata pratensis due to lying in the grass after bathing in open. [La Cava] *Policlinico (sez. prat.)*. June 5, 1933
- sporadic dermatitis bullosa striata pratensis; case following exposure to the sun while lying in meadow after bathing in open. [G. Mariconda] *Dermosifilografo*. March 1936
- striated bullous dermatitis resulting from bathing in open streams and lying on grass. [M. Oppenheim and A. Fessler] *Med. Klin.* June 10, 1932
- EAR, abscessed ears and mastoiditis following diving. [J. Robert Burke] *Hygeia*. Aug. 1935
- acute ear disease following swimming. [L. M. Schmidt] *U.S. Nav. M. Bull.* 4:368-72. 1910
- aural conditions resulting from pool and sea bathing. [H. Marshall Taylor] *South. Med. J.* Feb. 1923
- bathing and aural disease. [J. E. G. McGibbon] *Brit. M. J.* Aug. 22, 1931
- bathing pool and deafness. [A. Tumarkin] *Brit. M. J.* Aug. 25, 1934
- causes and prevention of otological conditions following swimming and diving. [H. Marshall Taylor] *J. Am. Med. Assoc.* Aug. 4, 1923
- death from drowning and its connection with middle ear. [A. Werner] *Schweiz. med. Wchnschr.* May 12, 1934

- diseases and injuries of ear and upper respiratory tract resulting from bathing. [A. Eckert-Möbius] *Med. Welt.* June 30, 1934
- effect of bathing on ears. [G. B. McAuliffe] *Beach & Pool.* June 1927
- etiologic rôle in otitis media. [P. Trufert] *Bull. méd.*, Paris. Nov. 30, 1929
- infections of nose and ear due to sea bathing. [F. Reinking] *An. Soc. mex. de oftal. y oto-rino-laring.* Oct.-Dec. 1936
- mastoiditis from diving ~~not~~ an accident. *J. Am. Med. Assoc.* Nov. 24, 1928
- otitis as result of open air bathing. [S. E. Kagan] *Sovet. vrach. gaz.* June 30, 1934
- otitis media and swimming. [F. E. Hasty] *Tr. Am. Laryng., Rhin. & Otol. Soc.* 33:246-54. 1927
- otologic complications from swimming in summer camps; attempt at prevention. [F. T. Hill] *Ann. Otol., Rhin. & Laryng.* June 1929
- otologic conditions following swimming. [H. Marshall Taylor] *Tr. Am. Laryng., Rhin. & Otol. Soc.* p23. 1923
- otorhinologic hygiene. [H. Marshall Taylor] *South. Med. J.* March 1928
- otorhinologic pathology from swimming. [Ralph A. Fenton] *Ann. Otol., Rhin. & Laryng.* March 1928
- prevention of so-called bather's ear. [G. B. McAuliffe] *Med. J. & Rec.* Sept. 15, 1926; *also Beach & Pool.* Sept. 1927
- relation of ear conditions to bathing. [W. J. Daggett and R. Cove-Smith] *Brit. M. J.* Aug. 17, 1929
- report of committee on otorhinologic hygiene of swimming. *J. Am. Med. Assoc.* Aug. 1, 1925
- report of committee on otorhinologic hygiene of swimming. [H. Marshall Taylor] *J. Am. Med. Assoc.* Dec. 11, 1926
- rôle of ear in etiology of sudden death from drowning. [J. Schmid] *Schweiz. med. Wchnschr.* May 12, 1934
- sinusitis and ear infections as related to swimming and diving. [Grace B. Daviess] *J. Health & Phys. Educ.* May 1938
- sinusitis and otitis in swimmers. [G. C. Saunders] *Am. J. Hyg.* July 1929
- swimmer's ear. [A. M. Dunlap] *Chinese M. J.* March 1935
- swimming and ear diseases. [S. Chiba] *Dai Nippon Ji-Bi-In-Ko-Kwa-Kwai* Kwai Ho. 12:307-46. 1906
- swimming and ear diseases in school children. [J. Klose-Gerlich] *Gesundh. u. Erziehg.* Feb. 1937
- EPIDEMICS. See Diseases, relation to pools
- HEART. See also Coaching, medical supervision; Coaching, training; Corrective swimming, for cardiovascular disorders; Physiological Aspects, heart; Thalassotherapy

- after-effects of exercise on pulse rate and systolic blood pressure in cases of irritable heart. [T. F. Cotton, D. L. Rapport and T. Lewis] *Heart*. 6:269-84. 1916-17
- athletics and heart: electrocardiographic and radiological study of response of healthy and diseased heart to exercise. [E. L. Cooper, J. O'Sullivan and E. Hughes] *M. J. Australia*. April 17, 1937
- heart diseases and sports. [G. W. Parade] *Med. Welt*. Aug. 1, 1936
- participation of persons with cardiovascular diseases in sports. [O. L. Stern] *Wissenschaft. Festschr.*, Josef Reinhold (Slavnostni spis, Josefu Reinholdovi). p236-46. 1936
- significance of certain configurations of heart frequently seen in young athletes. [A. Herzum] *Deutsche med. Wchnschr. (Festschr. d. Sportärztesch.) XI Olympischen Spielen)*. p28-31. 1936
- HISTORY AND HISTORICAL MATERIAL. See also Spas, history and historical material
 - cold-water system: an essay, exhibiting the real merits, and most safe and effectual employment, of this excellent system in indigestion, costiveness, asthma, cough, consumption, rheumatism, gout, &c. with cautionary remarks and some new cases. [Thomas John Graham] 2nd ed. 182p. Simpkin, Marshall. 1843
 - dietetical and medical hydrology: a treatise on baths; including cold, sea, warm, hot, vapour, gas, and mud baths: also, on the watery regimen, hydropathy, and pulmonary inhalation; with a description of bathing in ancient and modern times. [John Bell] 658p Barrington & Haswell. 1850
 - dissertation on the use of sea-water, together with a translation of Dr. Speed's Commentary on Sea-water. [Richard Russel] 5th ed. 1769
 - errors of physicians and others in the practice of the water-cure as a remedial agent in the prevention and cure of diseases, with instructions for its proper application. [Heinrich F. Franckel] 91p Fowler & Wells; Donovan. 1848
Published under pseud. (J. H. Rausse). Tr. by C. H. Meeker.
 - essay on warm, cold, and vapour bathing; with practical observations on sea bathing. [Arthur Clarke] 5th ed. 232p Colburn. 1827
 - health, disease and remedy. Bathing, its utility. [Moore] *Harper's Mag.* July 1850
 - hydropathy: theory, principles, and practice of the water cure shewn to be in accordance with medical science and the teachings of common sense; illustrated with many important cases. [Edward Johnson] 334p Simpkin, Marshall. 1843
 - medical reports, on the effects of water, cold and warm, as a remedy in fever and other diseases, whether applied to the surface of the body, or used internally. [James Currie] 2v Humphreys; Kite. 1808
 - on the curative effects of baths and water. [Weber, tr] 1875
 - philosophy of the bath or, air and water in health and disease. [Durham Dunlop] 465p Simpkin, Marshall. 1868
 - philosophy of the bath, with a history of hydro-therapeutics and of the hot-air bath from the earliest ages. [Durham Dunlop] 4th ed. 465p Kent. 1880
 - sea-air and sea-bathing for children and invalids: their properties, use, and mode of employment. [André Théodore Brochard] 184p Longman, Green, Longman, Roberts & Green. 1865
Translated and edited by William Strange.
 - seventeen years' experience of the treatment of disease by means of water. [Andrew Henderson] 418p Renshaw. 1859
 - sport medicine in Hippocrates' works. [M. E. Chryssafis] *Ann. internat. de méd. phys.* 30:169-71. 1937
 - strength, how to get strong and keep strong with chapters on rowing and swimming, fat, age, and the waist. [Richard A. Proctor] 178p Longmans. 1889
 - thermal baths of Bath: their history, literature, medical and surgical uses and effects, together with the Aix massage and natural vapour treatment. (map, plates, plans) [Henry William Freeman] 379p Hamilton, Adams. 1888
 - water: its history, characteristics, hygienic and therapeutic uses. [Samuel Ward Francis] *Philadelphia Med. & Surg. Rep.* v6. 1861; *reprint* 47p Wood. 1861
 - ICTEROHEMORRHAGIC SPIROCHETOSIS, icterohemorrhagic spirochetosis after bathing in the Garonne; 2 cases. [Izard and Tamolet] *Rev. méd.-chir. d. mal. du foie*. May-June 1932
 - icterohemorrhagic spirochetosis of fluvial origin observed at Beziers; case in swimmer, with meningeal syndrome. [H. Marc] *Arch. Soc. d. sc. méd. et biol. de Montpellier*. April 1938
 - INFANTILE PARALYSIS. See also Corrective Swimming, for infantile paralysis; Spas
 - correcting public opinion concerning infantile paralysis and its relation to swimming pools and beaches. [R. N. Perkins] *Beach & Pool*. March 1938

BIBLIOGRAPHY OF SWIMMING

Diseases—Continued

INFANTILE PARALYSIS—Continued

- infantile paralysis and its relation to the public swimming pool. [Jantzen Swimming Association] Free. Jantzen. 1938
- INFECTIOUS, ability in sports after infectious diseases. [G. W. Parade and A. Liehr] Med. Klin. Aug. 14, 1936
- MASTOIDITIS. See Diseases, ear
- MELIOIDOSIS, fatal case of melioidosis due to probable presence of *Bacillus whitemorei* in pond in Tonking. [M. Vauzel] Bull. Soc. path. exot. 30:10-15. 1937
- OSTEOMYELITIS. See also Corrective Swimming, for osteomyelitis

 - frontal sinusitis with osteomyelitis and frontal lobe brain abscess following swimming. [S. E. Roberts] J. Kansas M. Soc. Aug. 1935

- OTITIS. See Diseases, ear
- PLANTAR WARTS, [C. H. Valade] J. Michigan M. Soc. 29:521-24. 1930

 - conservative and surgical treatment of Plantar warts. [G. E. Haggart] Surg. Clin. N. Am. 14:1211-18. 1934
 - new method of treating Plantar warts. [J. Selle] Urol. & Cutan. Rev. June 1932
 - Roentgen treatment of Plantar warts. [E. T. Leddy and E. Johnson] Minnesota Med. Sept. 1933

- PREVENTION. See also Diseases

 - prevention of swimming pool infections. [C. U. Moore] Northwest Med. June 1924
 - prevention of various diseases in public bathing places. [H. Linden] Arch. f. soziale Hyg. u. Demog. 7:310-15. 1932
 - role of sports in preventing tuberculosis. [C. G. Chaminaud] Rev. méd. del Rosario. Jan.-Feb. 1937

- RELATION to Pools. See also Public Health

 - bathing pool as disseminator of disease. Diet. & Hyg. Gaz. Dec. 1912
 - diseases and pools. [J. Génévrier] J. de méd. et chir. prat. May 25, 1937
 - epidemics and their relation to pools. [J. H. Cook] Beach & Pool. Feb. 1931
 - infection from swimming. [W. J. Dephyer] Phys. Train. Feb. 1924
 - mysterious epidemic observed in 1932 among Europeans of Stanleyville (Belgian Congo), with swimming pool as source of contamination; differential diagnosis of dengue and Weil's disease. [J. Schwetz and Kadaner] Bull. Soc. path. exot. 27:354-64. 1934
 - occurrence of leptospira in field rats in connection with danger of infection while swimming in Rawa-Pening. [M. Sardjito, A. Mochtar and R. M. Wirasmo] Mededeel. v. d. dienst d. volksgezondh. in Nederl.-Indië. 26: 24-39. 1937
 - swimming pool and disease. [J. Wallen] Iowa Pub. Health Bull. Oct. 1925

 - swimming pools and infection. [W. H. Seemann] New Orleans M. & S. J. July 1923
 - transmission and prevention of various diseases in public bathing places. [H. Linden] Arch. f. soziale Hyg. u. Demog. 7:310-15. 1932
 - waterborne disease. [A. H. Waddington] Baths & Bath Engin. April 1938
 - RINGWORM. See Diseases, skin
 - SINUSITIS, abstract of discussion on para-nasal sinus infection in swimming. [H. Marshall Taylor] J. Am. Med. Assoc. Aug. 13, 1927
 - as related to swimming and diving. [L. S. Harvey] Springfield Col. 1931
 - cause and prevention of sinusitis with special reference to the effects of swimming as a cause. [Isabelle Kerr] Boston, Mass., New England Hospital for Women and Children. The Author. 1935. Unpublished
 - effects of inter-collegiate swimming on the sinuses. [Alfred Livingstone] Thesis. New York Univ. 1931
 - effects of inter-collegiate swimming on the sinuses. [Alfred Livingstone] Res. Quart. March 1932
 - effects of inter-collegiate swimming on the sinuses. [Gladys Scott and W. W. Tuttle] Res. Quart. March 1932
 - frontal sinusitis following swimming. [S. E. Roberts] J. Kansas M. Soc. Aug. 1935
 - hygiene of swimming. [H. Marshall Taylor] Tr. Sect. Laryng., Otol. & Rhin., A.M.A. p192-7. 1932
 - infections of nose and ear due to sea bathing. [F. Reinking] An. Soc. mex. de oftal. y oto-rino-laring. Oct.-Dec. 1936
 - nasal hygiene: breathing in swimming. [C. E. Scofield] Long Island M. J. July 1924
 - paranasal sinus infection and swimming. [F. E. Hasty] J. Am. Med. Assoc. Aug. 13, 1927
 - prevention of sinus trouble. [David Mezz] Swim. Pool Data & Ref. Ann. 5:25-26. 1937
 - relation of nasal sinuses to effects of humidity of inspired air. [A. Bronzini] Valsalva. July 1927
 - researches relative to swimming and its effect upon the sinuses. [F. E. Hasty] Nashville, Tenn. The Author. Unpublished
 - researches relative to swimming and its effect upon the sinuses. [H. Marshall Taylor] Jacksonville, Fla. The Author. Unpublished
 - sinus and athlete's itch. [A. B. Prindle] J. Health & Phys. Educ. Jan. 1932
 - sinusitis and ear infections as related to swimming and diving. [Grace B. Daviess] J. Health & Phys. Educ. May 1938
 - sinusitis and otitis in swimmers. [G. C. Saunders] Am. J. Hyg. July 1929

- sinusitis and swimming—etiological factors. [H. Marshall Taylor] *Tr. Am. Laryng., Rhin., & Otol. Soc.* p99. 1925
- sinusitis and swimming; further observations of etiological factors, with special emphasis on man's lack of adaptation to aquatic habits. (ii) [H. Marshall Taylor] *J. Am. Med. Assoc.* July 4, 1925
- sinusitis from swimming. [Ralph A. Fenton] *Am. Acad. Ophth. Otolaryng.* Tr. p413-26. 1922; *also J. Am. Med. Assoc.* Aug. 4, 1923
- SKIN, are X-rays of value in treatment of ringworm of hands and feet? [R. J. Kelly] *New York State J. Med.* July 1, 1933
- athlete's foot. [David D. Levine] *Hygeia.* Aug. 1936
- athlete's foot problem. [W. J. McCormick] *Swim. Pool Data & Ref. Ann.* 3:22-23. 1935
- athlete's itch. [A. B. Prindle] *J. Health & Phys. Educ.* Jan. 1932
- bath pruritus and skin affections of kindred origin. [V. Genner] *Acta dermat.-venereol.* June 1937
- colloids' challenge to athlete's foot. [Edward Miltimore] *Beach & Pool.* April 1935; *also Swim. Pool Data & Ref. Ann.* 3:58. 1935
- control of ringworm. [L. B. Cheno-weth] *J. Health & Phys. Educ.* Sept. 1930
- dermatophytosis. [W. R. Redden] *Scholastic C.* Dec. 1932
- dermatophytosis of feet, hands and groins; clinical and therapeutic consideration emphasizing stages of infection. [W. J. Morginson] *Illinois M. J.* Oct. 1936
- do you know these facts about "athlete's foot"? [Onox Antiseptic Company] *Free.* Onox Antisep. Co. 1936
- effect of chlorinated swimming-pool water on fungi of toe ringworm. [D. Spring] *Am. J. M. Sc.* June 1933
- epidermophytosis. [W. J. McCormick] *Canad. Pub. Health J.* June 1935
- epidermophytosis (athlete's foot); a cause of serious streptococcal infections. [J. Homans] *New England J. Med.* May 19, 1932
- epidermophytosis of hands and feet. [A. E. Schiller] *J. Michigan M. Soc.* Nov. 1932
- epidermophytosis or athlete's foot. [C. D. Sawyer] *Rhode Island M. J.* Aug. 1931
- fungus disease in athletes. [R. P. White] *Brit. J. Dermat.* Oct. 1932
- fungus diseases of the skin. [C. H. Thienes] *J. Am. Med. Assoc.* Aug. 1931
- fungus infection of feet, hands and groins. [H. T. Phillips and W. J. Morginson] *West Virginia M. J.* Sept. 1931
- fungus infection of hands and feet. [G. H. Percival] *Edinburgh M. J.* June 1937
- fungus infections of feet; observation of their incidence in school in New York City. [G. C. Andruos and F. W. Birkman] *New York State J. Med.* Aug. 15, 1931
- incidence of foot ringworm among college students. [R. T. Legge, H. J. Templeton and Lee Bonar] *J. Am. Med. Assoc.* July 20, 1929
- modern interpretation of mycotic infections of feet and hands. [A. Strickler, E. A. Ozellers and R. P. Zalet] *Arch. Dermat. & Syph.* June 1932
- modern methods in diagnosis and treatment of common fungous diseases of skin. [L. M. Wieder] *Wisconsin M. J.* April 1933
- personal experiences in prophylaxis and treatment of ringworm of hands and feet—with sodium hypochlorite. [E. D. Osborne, E. D. Putman and R. J. Rickloff] *New York State J. M.* Nov. 1, 1933
- possible explanation for localization between toes; hydrogen ion concentration of interdigital spaces of feet. [O. L. Levin and S. H. Silvers] *Arch. Dermat. & Syph.* Sept. 1932
- practical points in treatment of ringworm. [R. L. Gilman] *M. J. & Rec.* May 3, 1933
- prevention of ringworm. [N. G. Hill] *J. State Med.* May 1928
- prophylaxis of ringworm of feet—with sodium hypochlorite. [E. D. Osborne and B. S. Hitchcock] *J. Am. Assoc. Hyg. & Baths.* 16:50-56. 1932
- prophylaxis of ringworm of the feet. [E. D. Osborne and B. S. Hitchcock] *J. Am. Med. Assoc.* Aug. 15, 1931; *also Mind & Body.* Nov. 1931
- prurigo and eczema caused by too frequent bathing. [V. Genner] *Nord. med. tidsskr.* Jan. 25, 1936
- ringworm and allied eruptions. [D. G. Duncan] *J. Oklahoma M. Assoc.* Aug. 1932
- ringworm and its treatment. [J. M. H. Macleod] *Brit. M. J.* April 21, 1928
- ringworm fungi. [F. D. Weidman] *Pennsylvania M. J.* July 1931
- ringworm in public schools. [R. C. Harrison] *Beach & Pool.* Oct. 1931
- ringworm infection of feet. [O. Like] *U.S. Vet. Bur. M. Bull.* July 1931
- ringworm infection of the feet. *Sc. (Supp.)* Aug. 28, 1931
- ringworm—its extent, severity and careful treatment. [W. R. Redden] *Beach & Pool.* March 1932; *also Res. Quart.* May 1932
- ringworm of feet. [W. J. Young] *Kentucky M. J.* March 1933
- ringworm of feet; value of microscopic examinations. [H. S. Paynter and C. White] *J. Lab. & Clin. Med.* Jan. 1931

BIBLIOGRAPHY OF SWIMMING

Diseases—Continued**SKIN—Continued**

- ringworm of hands and feet. [S. E. Light] Northwest Med. Sept. 1933
- ringworm of the feet. [W. L. Gould] J. Am. Med. Assoc. April and Oct. 3, 1931; also Mind & Body. June 1931
- ringworm of the feet. [R. T. Legge, Lee Bonar and H. J. Templeton] J. Am. Med. Assoc. May 4, 1929; also Mind & Body. July 1929
- ringworm of the feet. [F. C. Turner] J. Am. Assoc. Hyg. & Baths. Sept. 1929
- ringworm of toes; second survey of students at University of Pennsylvania. [R. L. Gilman, D. Spring and M. H. Rea] Pennsylvania M. J. April 1933
- skin infections and public bathing places. [L. W. Shaffer] J. Am. Assoc. Hyg. & Baths. April 1932
- studies on ringworm funguses with reference to public health problems. [Lee Bonar and Alice D. Dreyer] Am. J. Pub. Health. Sept. 1932
- study of the incidence, distribution, and treatment of ringworm in men students at the University of Cincinnati. [L. B. Chenoweth and Elmer Werner] Res. Quart. Dec. 1930
- symptomatic and asymptomatic ringworm of feet; report based on study of 1073 consecutive cases in dispensary, covering period of one year. [A. Strickier and R. Friedman] Arch. Dermat. & Syph. Sept. 1931
- treatment for athlete's foot. Mind and Body. Feb. 1932
- treatment of epidermophytosis. [L. A. Brunsting] Minnesota Med. Nov. 1932
- treatment of ringworm of feet and toes. [I. S. Barksdale] Med. J. & Rec. Oct. 18, 1933

SPORT DISEASE, question of "sport disease." [D. Mateeff] Klin. Wchnschr. March 21, 1936

- sport disease; discussion of gastric disturbances following light exertion. [H. Herxheimer] Klin. Wchnschr. Oct. 26, 1935

THROAT, effect of bathing on throat. [G. B. McAuliffe] Beach & Pool. June 1927

- infections of throat from swimming pools. [Poelchau] Med. Klin. Feb. 5, 1937

TRANSMISSION. See Diseases, relation to pools; Diseases, Weil's; Public Health

TREATMENT. See Corrective Swimming; Spas; Thalassotherapy

TUBERCULOSIS, question of physical exercise in pulmonary tuberculosis. [R. H. Kranzfelder] Med. Kor.-Bl. f. Würtemberg. Sept. 3, 1932

- role of sports in preventing tuberculosis. [C. G. Chaminaud] Rev. méd. del Rosario. Jan.-Feb. 1937

—spontaneous healing of extensive tuberculous lesions in lungs in competitive swimming; case. [E. Nervegno] Ztschr. f. Tuberk. 54:46-49. 1929

WEIL'S, danger of transmission of Weil's disease from swimming in contaminated water. [R. N. M. Eykel] Tijdschr. v. sociale hyg. May 1933

—differential diagnosis of dengue and Weil's disease with swimming pool as source of contamination. [J. Schwetz and Kadaner] Bull. Soc. path. exot. 27:354-64. 1934

—epidemiology of Weil's disease in relation to impure water supply. [P. Uhlenhuth] München. med. Wchnschr. Nov. 28-Dec. 5, 1930

—Weil's disease probably due to infection while swimming. [N. Bessem] Geneesk. tijdschr. v. Nederl.-Indië. Oct. 20, 1936

Disinfection of Suits and Towels. See Suits and Towels, disinfecting

Disinfection of Water. See Water Purification

Distance Swimming

See also Records; Respiration; Speed Swimming; Strokes

—inhalation: sustained lung inflation via quick lung deflation in long and short distance swimming. [T. W. Sheffield] Beach & Pool. Jan. 1937

—swimming, short and long distance. [Jabez Wolffe] Foulsham

—wet marathons. [Gertrude Ederle] Internat. Sports. Sept. 1932

CATALINA ISLAND, boy who won the Catalina Island marathon. Lit. Dig. Feb. 5, 1927

EFFECTS OF, effects of prolonged muscular exercise. [F. C. Courtice and C. G. Douglas] Proc. Roy. Soc., London, s.B. March 2, 1936

—influence of long-distance swimming upon pulse rate and blood pressure. [A. Miyama and K. Shii] Acta scholae med. Univ. imp. 12:521-24. 1930

ENGLISH CHANNEL. See also History

—across the straits: a record of Channel swims and other crossings. Including a 3rd edition of Captain Webb's great swim from England to France. 6d. 44p Dover Express. 1936 (?)

—Channel beats most swimmers. [L. de B. Handley] Swim. Sept. 1925

—Ederle—and memories. All Sports. Nov. 1936

—girl who wouldn't quit—Gertrude Ederle's Channel swim. Sat. Eve. Post. Sept. 11, 1926

—how a girl beat Leander at the Hero game: abstracts or reproductions of editorials on Gertrude Ederle's Channel swim from various newspapers over country. Lit. Dig. Aug. 21, 1926

—how Tom Blower swam the Channel. [L. Pickering] Swim. Times. Sept. 1937

- my Channel-swimming adventures. [G. B. Brewster] 2s. 6d. Bale & Daniells-son. 1935
- portrait: Gertrude Ederle's Channel swim. Collier's. Aug. 14, 1926; *also Rev. of Rev.* Sept. 1926
- queen of the waters, Gertrude Ederle. [W. Trumbull] St. Nichol. Oct. 1926
- la traversée de la Manche à la nage par une femme (crossing of the Channel by a woman swimming). L'illustration. Aug. 14, 1926
- HELLESPONT, I swim the Hellespont. [Richard Halliburton] Asia. Aug. 1926
- swimming the Hellespont on a can of sardines. [Richard Halliburton] Lit. Dig. June 12, 1926
- PANAMA CANAL, S. S. Richard Halliburton; swimming the Panama Canal from Colon to Panama. (il, map) [Richard Halliburton] Ladies' Home J. June 1929
- District of Columbia Medical Society.** Report upon relative merits of slow sand and mechanical filtration. 70c Gov. Printing Off. 1900
- Dittebrandt, Catherine.** Swimming in the high school. Service Bull. Dec. 1937
- Dittoe, W. H.** Proper size of sand for rapid sand filters; with discussion by A. Potter. Am. J. Pub. Health. Jan. 1922
- Diving**
 - See also Meets; Olympics
 - [John Allen Krout] Annals of American Sport, p216. (The Pageant of America, v15). \$5.50 360p Yale Univ. Press. 1929
 - [Matt Mann] J. Health & Phys. Educ. March 1937
 - as a fine art. [F. J. Brunner] Outing. Aug. 1916
 - as a fine art. [W. Henry] Pearson's Mag. July 1900; *also* Chicago Trib. July 22, 1900
 - dive better. [E. S. K. Baldry] Pa. 1s. Simpkin, Marshall. 1936
 - do's, don'ts and hints. [G. la C. Baudains] Swim. Times. no 1-9. Aug., Oct. and Dec. 1935; Feb., Apr.-Aug. 1936. no 10. XIth Olympiad—diving championships. Sept. 1936. no 11-13. Oct. 1936; April-May 1937
 - generalities of. [Pete Desjardins] Swim. Times. July 1934
 - get up in the air: an interview with Dick Degener, National Intercollegiate and A.A.U. diving champion. [Franklin M. Reck] Am. Boy. Aug. 1934
 - gymnastics and diving. [K. A. Wright] 6d. Swim. Times. 1934
Reprinted from an article in *Swimming Times*.
 - how to. (il) [Eugen S. Schmidt] 1s. 46p Ath. Pub.
 - how to dive gracefully. [Stanley Brauner] Mod. Mechan., Hobbies & Invent. Aug. 1935
 - made easy. [Karl B. Michael] Beach & Pool. July 1932
 - manual. [Amateur Swimming Association of England] 2s. 6d. 229p A.S.A. 1937
 - natural diving—useful and ornamental. Leisure Hour. Sept. 1900
 - outline of. [Carroll L. Bryant] Mimeo. A.R.C.
Not issued after 1933.
 - rhythm and precision in. [J. Lippert] Scholastic. Nov. 17, 1934
 - study of some of the possible factors influencing success in learning to dive. [LaVerne Means Bennett] Thesis. 113p Univ. California, Berkeley. 1936
 - swimming and diving. [Elmer D. Mitchell (ed) and Staff of the Department of Intramural Sports, University of Michigan] Sports for recreation, ch 22. \$2.50 Barnes. 1936
 - swimming, diving and water polo. [Tom Robinson] Ath. J. Oct. 1933
 - technique of. [Allen G. Ireland] Thesis. Springfield Col. 1914
 - thoughts on. [W. Beebe] Harper's Mag. April 1933
 - twixt wood and water. Nation. Oct. 7, 1925
 - das Wasserspringen (diving). [Gust. Putzke and F. Wiesell] (Miniaturs-Bibl. f. Sport u. Spiel, 76-77). Koehler & Volckmar. 1925
 - APPROACHES, for the running dives. [Marie Henze Glass] Water Sports (Supp.) p22. 1934
 - springboard diving, run and take-off. [Pete Desjardins] Swim. Times. Aug. 1935
 - As AN INDUSTRY, diving as an industry. Swim. June 1917
 - ASSOCIATIONS, Amateur Diving Association. [J. S. Farnsworth] Swim. Times. Sept. 1935
 - control of the sport (diving). [Amateur Diving Association of England] Swim. Times. May 1935
 - Highgate Diving Club European tour, June, 1935. [P. H. Beveridge] Swim. Times. Aug. 1935
 - BEGINNERS. See also Teaching, beginners
 - course of instruction. [T. K. Cureton, jr.] Beach & Pool. Nov.-Dec. 1934
 - teaching. [Lelia M. Finan] Aquat. p45-6. 1931-32
 - teaching. [Harry Smith] Free. Boise Y.M.C.A.
 - teaching of elementary. [T. K. Cureton, jr.] Mimeo. \$2 Springfield, Mass., The Author. 1931
 - BIOLOGICAL CONSIDERATIONS IN, diver from a biological standpoint. Sc. Am. Oct. 1921
 - BOARDS. See also Pools and Bathing Places, Construction of; Pools and Bathing Places, Equipment for; Pools and Bathing Places, Operation of; Pools and Bathing Places, Sanitation of

BIBLIOGRAPHY OF SWIMMING

Diving—Continued

BOARDS—Continued

- [Earl K. Collins] Beach & Pool. Sept. 1936
- [Paul H. Huedepohl] Beach & Pool. April 1936
- diving boards for municipal pools. Am. City. May 1936
- for women. [Edward T. Kennedy] Aquat. p44. 1931-32
- how to make a practice springboard. [W. M. Manning] Swim. Times. Feb. 1935
- how to prevent breakage. [Karl B. Michael] Swim. Pool Data & Ref. Ann. 5:49. 1937
- importance of. [E. J. Larkin] Swim. Times. July 1936
- in swimming institutions. [O. Spiegelberg] Gesundh.-Ing. 48:481-86. 1925
- my garden springboard. [W. M. Manning] Swim. Times. Dec. 1934
- non-skid finish to lengthen life. [C. Tait] Beach & Pool. Feb. 1931
- problem. [O. W. Douglas] Beach & Pool. Feb. 1936
- what about springboards. Beach & Pool. July 1937
- you can prevent breakage. [Karl B. Michael] Beach & Pool. May 1935

CHAMPIONS. See also Champions; Meets; Olympics; Records

- adult efforts swamped by 11-year-old Mary's splash. (il) News Wk. July 1935
- America's eleven-year-old diving champion: Mary Hoerger. [Pete Desjardins] Swim. Times. Oct. 1935
- child diver. Swim. Times. Oct. 1934
- diving administration: election of "The Big Five." Swim. Times. June 1936
- girl of the month, K. Rawls. (il) [H. H. Searl] Good Housekeep. April 1938
- high diving highlights. (il) Country Life. Sept. 1930
- "little bronze statue from Florida." [E. J. Larkin] Swim. Times. Dec. 1936
- Pete Desjardins—the inimitable. [E. J. Larkin] Swim. Times. Dec. 1935
- sand-pit to championship; Mary Hoerger, eleven, takes A.A.U. diving-title. (il) Lit. Dig. July 27, 1935

CHARTS AND PHOTOGRAPHS, [John Geishe] Charts. 75c Berkeley A.R.C.

- international. [Albert C. White, Ernst M. Brandsten and Pete Desjardins] Chart. \$1 Van Arsdale-Harris. 1932
- international Olympic. [Earl N. Riskey] Chart. Univ. Michigan. 1934
- Olympic. [Alfred A. Gross] Charts. \$1 Montreal, Canada, 373 St. James St., The Author. 1932. Rev. 1936
- Olympic. [William J. Holmes] Chart. Service Press
- sport shots: more than one hundred and fifty action photographs of the Eleventh Olympic Games. [Paul Wolff] \$3 111p Morrow. 1937

COACHING. See also Coaching

—competitive aquatics. [E. H. Wood] Am. Phys. Educ. Rev. Jan. 1922

—scope of. [T. K. Cureton, jr.] Swim. Pool World. March 1932

COMIC. See Recreational Swimming, games and stunts; Recreational Swimming, stunts

DEPTH OF WATER FOR deep water baths essential: cause of pool polo and diving. Swim. Times. Aug. 1935

DOUBLE. See also Recreational Swimming, games and stunts; Recreational Swimming, stunts

—[H. Hamilton] Outing. Aug. 1918

EXERCISES, [Ann Avery Smith] Ath. Handb. p43-4. 1931-32

FANCY

—[H. E. Brown] Thesis. Springfield Col. 1920

—[C. L. Drake and F. C. E. Schneider] Mind & Body. April-May 1911

—[F. B. Hoar] Camping. Feb. 1935

—[J. J. O'Rourke] St. Nichol. July 1923

—alphabet of. [L. de B. Handley] Outing. March 1915

—as a fine art. [F. B. Hoar] J. Health & Phys. Educ. May 1931

—camera studies of Miss Aileen Riggan. [H. Armstrong Roberts] Country Life. July 1925

—finer points of. [E. Hotchkiss] Country Life. Aug. 1922

—learn the fancy dives. [Franklin M. Reck] Chapter (p286-93) from Play the Game, the Book of Sport. Ed. by Mitchell V. Charnley. 344p Jr. Lit. Guild. 1931

—mechanics and judging of. (diags) [Paul H. Huedepohl] Swim. Pool Data & Ref. Ann. 6:31-32; 71. 1938

—mechanics of. [F. R. Lanoue] Thesis. Springfield Col. 1936

—rhythm and precision of. [Frederick A. Spongberg] Scholastic C. May 1934; also Beach & Pool. July 1935

—three fancy dives introduced in United States. [J. Lecknir] Beach & Pool. Aug. 1927

—tricks of. [Pete Desjardins] (il) Pop. Mechan. May 1930

HANDICAPPING, how to handicap diving: a system which will promote competition among individuals of varying age, size and ability. [Ruth Patterson] Beach & Pool. May 1935

HIGH

—championship. [Bert Nevins] Beach & Pool. April 1936

—high divers and their ways. [Walter Kilbey] Windsor Mag. Aug. 1901

—how a high diver feels hurling through space. [Margaret Stanton] Am. Swimmer. Feb. 1923

—lectures for all: high springing. Hachette. 1902

—natural diving—useful and ornamental. Leisure Hour. Sept. 1900

—teaching of. (diags) [K. E. Sjolin] Mind & Body. May 1933

- Turmspringen. Ein Leitfaden und Lehrgang für Turmspringer und Sprungrichter usw. (High diving. An easy guide and course of instruction for high divers, etc.) [H. Lossagk] Koehler & Volckmar. 1933
- HISTORICAL MATERIAL. See also History
- headers in swimming. Boy's Own Annual. 1879(?)
- plunging from the springboard. [A. B. Wegener] Young Men's Era. 32:13. 1894
- IN AMERICA. See also Champions; Competition; Meets; Officiating; Records
- [Pete Desjardins] *Swim. Times.* July 1935
- IN ENGLAND, [Pete Desjardins] *Swim. Times.* Sept. 1937
- standard of diving at the European championships. [C. D. Tomalin] *Swim. Times.* Oct. 1934
- this English header. [Pete Desjardins] *Swim. Times.* Oct. 1935
- IN GERMANY, German swimming and diving technique. *Swim. Times.* May 1935
- IN HONOLULU, diving boys of Honolulu Harbor. (il) [G. E. Allen] *Asia.* Sept. 1929; also *Lit. Dig.* Sept. 14, 1929
- INTERMEDIATE. See also Teaching
- practice of teaching of. [T. K. Cureton, jr.] \$1.50 Springfield, Mass. The Author
- JUDGING DIVING. See Officiating, judging diving
- MASTOIDITIS FROM. See Diseases, ear
- OFFICIATING. See Officiating
- OLYMPIC. See also Olympics
- diving for your country. [Aileen Riggan] *Country Life.* July 1922
- final diving tryouts held at Burnham Park, Chicago, Ill., July 3rd and 4th, 1936. *Section* (p265-6) from Report of the American Olympic Committee. \$2 491p Am. Olympic Comm. 1936
- my impressions of the diving in Berlin. [Pete Desjardins] *Swim. Times.* Sept. 1936
- PHOTOGRAPHS. See Diving, charts and photographs
- PLATFORMS. See Diving, towers and platforms
- RULES. See Officiating, rules for swimming, diving and water polo
- SINUSITIS FROM. See Diseases, sinusitis
- SPRINGBOARD
- [Chicago Park District. V. F. Hernlund, ed] 35c 96p Chicago Parks. 1937
- art of. [F. W. Hobden] 10s. 6d. 229p Putnam. 1937
- diving and "stunts" from the springboard. [W. A. Palmer] *Good Health.* Sept. 1923
- foundations of modern springboard diving. (il) [P. W. A. Herbert]. *Series in Swim. Times.* 1934-36; reprint 1s. 36p *Swim. Times;* commentary on article which appeared in the issue of June 1934. *Swim. Times.* July 1934
- foundations of modern springboard diving. [P. W. A. Herbert] *Swim. Times.* Dec. 1933
- foundations of modern springboard diving. [P. W. A. Herbert and C. D. Tomalin] *Swim. Times.* Dec. 1934
- how to execute spring board dives. [David C. Leach] *Beach & Pool.* May 1932
- springboard diving: commentary on P. W. A. Herbert's eighth article which appeared in June, 1934, issue of *Swimming Times.* *Swim. Times.* July 1934
- TEACHING. See also Teaching
- [J. S. Law] *Am. Swimmer.* Sept. 1922
- high diving. (diags) [K. E. Sjolin] *Mind & Body.* May 1933
- how to teach swimming and diving. (il) [T. K. Cureton, jr.] \$3 238p Assoc. Press. 1934
- lessons on diving. [G. Johansson] *Swim.* March 1918
- problems and experimental studies. [T. K. Cureton, jr.] *Beach & Pool.* June-Oct. 1933
- scientific pedagogy of swimming and diving. [T. K. Cureton, jr.] *Beach & Pool.* June 1933
- teaching of swimming and diving to women. [Ann Avery Smith] *J. Health & Phys. Educ.* Feb. 1934
- teaching of swimming, diving and water sports. [Ferd. John Lipovetz] *Mimeo.* \$2.75 Burgess. 1937
- TOURS, Harold 'Dutch' Smith tour 1936. [P. H. Beveridge] *Swim. Times.* Oct. 1936
- impressions of my tour. [Pete Desjardins] *Swim. Times.* Aug. 1934
- my greatest tour. [Pete Desjardins] *Swim. Times.* Dec. 1935
- Pete Desjardins' 1935 tour. [E. J. Larkin] *Swim. Times.* June 1935
- Pete Desjardins' tour, 1934. [G. la C. Baudains] *Swim. Times.* Dec. 1934
- running commentary on Pete Desjardins' record-breaking tour of the British Isles. *Swim. Times.* July-Aug. 1935
- running commentary on Pete Desjardins' record breaking tour of the British Isles. [E. J. Larkin] *Swim. Times.* Sept., Oct. and Dec. 1935
- visit of Pete Desjardins, of Miami, Florida, U.S.A. *Swim. Times.* May 1935
- TOWERS AND PLATFORMS. See also Pools and Bathing Places, Construction of; Pools and Bathing Places, Equipment for; Pools and Bathing Places, Operation of
- construction of; examples of application of oxy-acetylene welding to the construction of tubular diving towers. (il) [Otto Bondy] *Baths & Bath Engin.* April and June 1937
- diving platforms made from oil drums. (il, diags) *Pop. Mech.* Aug. 1934
- diving tower, Wiesbaden, Germany; view. *Architect. Rev.* Sept. 1935

BIBLIOGRAPHY OF SWIMMING

Dobbin, C. E. Swimming pools for public schools. Am. Architect. 1919(?)

Dodge, Dorothy J. Swimming: its value, history and a study of some present methods and programs. Term paper for Miss Trilling's seminar. Univ. Wisconsin. Summer, 1932. Unpublished

Dolley, David Hough. On resuscitation. 29p Univ. Missouri. 1913

Dolphin Breast Stroke. See Strokes, breast

Domenici, F. E sufficientemente protetto il rischio derivante dallo sport del nuoto? Arch. di antropol. crim. July-Aug. 1937

—See Maffei, G. B. jt. auth.

Don, J. and Chisholm, J. Modern methods of water purification. \$4.20 1910; \$5.75 1913. Longmans. *Review*. Nature Mag. June 22, 1911

Donaldson, W. Trend of water purification plant design and operation. Am. City. Nov. 1925

Donath, Leo. European games. Their origin and objects. Swim. Times. Aug. 1934

Hungarian national water polo team. Swim. Times. May 1934

Donofrio, Henry. Annotated bibliography of life saving. Mimeo. Teachers Col. 1933

Available only from Teachers College Library.

Donohoe, W. F. Function of alum in water purification. Am. City. July 1923

Dorris, N. Swimming stars. Woman Citiz. June 1926

Dorroh, J. H. Design and operation of swimming pools. 25c Univ. New Mexico. 1934

Double Diving. See Diving, double

Douglas, C. G. See Courtice, F. C. jt. auth.

Douglas, Earl W. Résumé of practical and theoretical life saving. Beach & Pool. Oct. 1932

Swimming made easy. Beach & Pool. July and Sept. 1934

Water ball—new swimming pool game. Beach & Pool. May 1931

Douglas, O. W. Diving board problem. Beach & Pool. Feb. 1936

Douglas, Walter G. How to swim. Am. Sports Pub. 1903

Swimming: a book devoted to the art of swimming, diving, plunging, and a chapter on training. (Spalding's Athletic Library, No. 25). Pa. Am. Sports Pub. 1894

Douville, Félix. La natation pour tous. (il) 132p Flammarion. 1931

Dowd, Clarence G. Swimming systematized; a compendious manual of swimming. Brooklyn, N. Y. The Author. 1922

Dowling, Allan. Swimmer. (il) 52p New York City. The Author. 1925

Down, J. E. Sanitary control of pools in New York City. (tables) Municipal Sanit. April 1930

Doyen, Louis; Augé, P.; and Moëbs, Georges. Les sports nautiques. 87p Larousse. 1912

Doyle, William S. Doyle's new instruction book on ocean bathing, swimming, and boating. 25c 45p Asbury Park, N. J. The Author. 1910

Dozier —swim honors to Misses Kompa and Dozier. Beach & Pool. June 1935

Drake, Alice. Princess learns to swim. Free. A.R.C.

Drake, C. L. and Schneider, F. C. E. Fancy diving. Mind & Body. April-May 1911

Draper, G. R. Ten-lesson plan for teaching beginners to swim. Beach & Pool. March 1938

Drew, Gwendolyn. See Altmann, G. J. jt. auth.

Drew, Lillian C.; Thomas, Grace A.; and Scully, Charles B. Swimming as applied to special cases and kinesiology of the strokes. Stearns & Beale. 1926

Dreyer, Alice D. See Bonar, Lee, jt. auth.

Drinker, Cecil K. Acute asphyxia as a medical problem. Mind & Body. Sept.-Oct. 1928

—and Shaw, L. A. Modification of Nielsen method of artificial respiration. J. Indust. Hyg. Nov. 1935

Drowning See also Legal Aspects; Life Saving; Resuscitation; Safety

—[J. Dixon Mann] *Chapter from Quain's Dictionary of Medicine*. 3rd ed. Longmans. 1902

—apparently drowned persons. Canad. Pract. & Rev. 43:216-18. 1918

—contribution to the study of the post-mortem appearances in the drowned. [H. Littlejohn] Edinburgh M. J. n.s. 13:123-39, 6 pl. 1903

—death by drowning; problem of accident insurance. [W. Peterssen] Med. Welt. May 7, 1938

—determining place where drowning occurred by measuring amount of diatoms in lung. [Buhtz and W. Burkhardt] Deutsche Ztschr. f. d. ges. gerichtl. Med. 29:469-84. 1938

—drowning accidents. Indep. June 29, 1905

—drowning and resuscitation; safety hints for campers. [Wisconsin State Board of Health] Wisconsin State Board Health. 1923

—how we drown. Lit. Dig. Sept. 17, 1927

—physiology, treatment and consideration as accident in medicolegal sense. [E. Sehrt] Med. Klin. Nov. 30, 1934

—question of responsibility in drowning of pneumonia patient escaped from hospital; medicolegal study of case. [G. B. Maffei and F. Domenici] Arch. di antropol. crim. 58:213-18. 1938

- respiratory symptoms from sea-water inhalation. [E. James] Brit. M. J. Oct. 5, 1935
- studies on pathogenesis of drowning and its treatment. [C. J. Mijnlieff] Nederl. tijdschr. v. geneesk. July 10, 1937
- study of swimming in Utah: drowning. [C. F. Belliston] Thesis. Univ. Oregon. 1936
- summer drownings. Lit. Dig. Aug. 12, 1922
- BLOOD CHANGES IN, microphotometric study of dilution of blood in death by drowning. [D. Macaggi] Diag. e tec. di lab. Sept. 25, 1934
- question of dilution of blood in drowned persons; lack of diagnostic value; critical review. [C. Soutter] J. de méd. de Lyon. Nov. 20, 1934
- residual carbon and nitrogen in blood of drowned persons. [T. Inouye] Tohoku J. Exper. Med. March 31, 1935
- CAUSES OF, apparently due to congestion. [J. Affolter] Schweiz. med. Wchnschr. Dec. 2, 1933
- attempt to explain cause of sudden death during swimming contest. [E. J. Klaus] Deutsches Arch. f. klin. Med. 181:275-85. 1937
- cause of drowning in swimmers. Brit. M. J. 2:196. 1918
- causes of sudden death during bathing; relation of circulatory failure. [Grassi] München. med. Wchnschr. Sept. 9, 1932. *Comment by Klotz*, Oct. 14, 1932. *Comment by Eiselsberg*, Oct. 14, 1932. *Comment by Bernstein*, Nov. 18, 1932
- causes of sudden death during bathing; sudden circulatory failure. [S. J. Thannhauser] München. med. Wchnschr. Nov. 18, 1932
- causes of sudden death while bathing. [H. Lüdtke] Med. Klin. Nov. 24, 1933
- causes of sudden death while bathing. [A. Ravina and S. Lyons] Presse méd. Dec. 6, 1933
- collapse while swimming; most dangerous consequence of hypersensitivity to cold. [B. T. Horton and G. M. Roth] Proc. Staff Meet. Mayo Clin. Jan. 6, 1937
- dangers in bathing; causes of sudden death. [P. Farreras] Rev. españ. de med. y cir. Sept. 1933
- death from drowning and its connection with middle ear. [A. Werner] Schweiz. med. Wchnschr. May 12, 1934
- death of swimmers from vestibular irritation. [K. Beck] Ztschr. f. Laryng., Rhin. Jan. 1930
- drowning and the immediate death of bathers. [Didié] Rev. Scient. Dec. 23, 1933
- drowning from dizziness. Lit. Dig. Oct. 22, 1932
- hypersensitivity to cold as cause of sudden death while bathing. [J. P. zum Busch] Deutsche med. Wchnschr. Jan. 6, 1933
- nasal and auricular reflexes which might provoke drowning by inhibition or syncope; medicolegal applications. [F. Naville and E. Frommell] J. de méd. de Lyon. Nov. 20, 1933
- rôle of ear in etiology of sudden death from drowning. [J. Schmid] Schweiz. med. Wchnschr. May 12, 1934
- rôle of persistent perforation of tympanic membrane in drowning. [M. Milovanović] Deutsche Ztschr. f. d. ges. gerichtl. Med. 22:427-32. 1934
- sudden death during bathing. [R. Verhoogen] Bruxelles-méd. Aug. 13, 1933
- sudden death during swimming. [O. Goebel] Deutsche med. Wchnschr. June 29, 1934
- DIAGNOSIS OF, discussion on the phenomena attending death from drowning. [R. L. Bowles] 16p Baillière, Tindall & Cox. 1904
- mechanism and diagnosis of death by drowning. [H. Krsek] Bratisl. lekár. listy. March 1935
- medicolegal necropsy; pathological anatomy of death by drowning. [E. L. Miloslavich] Am. J. Clin. Path. Jan. 1934
- method for determination of death by drowning. [A. O. Gettler] J. Am. Med. Assoc. Nov. 19, 1921
- multiple tears of gastric mucosa in death from drowning. [K. Walcher] Deutsche Ztschr. f. d. ges. gerichtl. 23:319-23. 1934
- thickening of the blood as an indication of death by drowning. [Placzek] Vrtljschr. f. gerichtl. Med. 3.F., 25: 13-22. 1903
- EXPERIMENTAL STUDIES ON, [N. P. Balan] Deutsche Ztschr. f. d. ges. gerichtl. Med. 22:167-77. 1933
- problems in drowning. [Peter V. Karpovich] J. Phys. Educ. July-Aug. 1934; also "Y" Spokesman. Oct. 1934
- HISTORICAL MATERIAL. See also History; Life Saving, history and historical material; Resuscitation, history and historical material
- Darwinism and swimming: a theory quoted in part under *Instinct of the Drowning*. [Louis Robinson] Nineteenth Cent. Nov. 1893
- dissertation on the preservation from drowning; and swimmer's assistant. A new invention, simple, commodious, and of small expence . . . adapted to principles established by experiments, and proved by trials. Together with an useful account of losses of lives by water. [R. Macpherson] 2s. 6d. 131p Murray. 1783

Drowning—Continued**HISTORICAL MATERIAL—Continued**

- how to avoid being drowned or all about flotation, containing a description of the first life buoy, which was made of cotton waste and sawdust. [F. W. Brewster] 98p Roberts & Leete. 1885
- philosophy of drowning. [Royal Humane Society of England] 4p Spottiswoode. 1865
- treatise on drowning prevented by floating in the water without motion. [Bedale] 8p Jacques. 1848
- LESIONS FROM, histologic lesions in vital submersion. [A. and M. Marchand-Alphant] *Écho méd. du Nord*. Dec. 16, 1934
- survival after submersion; study of lesions. [Muller and Mme. Marchand-Alphant] *Ann. de méd. lég.* July 1935
- PREVENTION OF. See also Life Saving; Safety; Teaching
- avoidable cases of drowning. [P. E. Morhardt] *Nature*. Nov. 15, 1927
- avoiding drowning. [R. B. Miller] *U.S. Nav. M. Bull.* July 1927
- everyone should know about preventing suffocation. [W. E. Longfellow] *Am. Phys. Educ. Rev.* Sept. 1928
- fewer deaths by drowning. *Lit. Dig.* Sept. 17, 1932
- fire departments can help minimize drowning fatalities. *Am. City*. Aug. 1924
- gas mask for protection against drowning. [F. Sander] *Zentralbl. f. Gewerbehyg.* Sept.-Dec. 1934
- help to prevent drownings. [National Safety Council] *Am. City*. June 1925
- human nature in deep water; some suggestions on how not to get drowned. [E. Jessup] *Outlook*. May 24, 1922
- it's easy not to drown. [Charles B. Scully] *Lit. Dig.* Aug. 1, 1931
- no excuse for drowning. (il) [Duffield Osborne] *Collier's*. Aug. 13, 1910
- preventable deaths from drowning and suffocation within the metropolitan district of New York. [Benjamin Howard] *New York M. J.* Dec. 1872; *reprint* Appleton. 1872
- real swimmers seldom drown. [S. W. Wayne] *Am. City*. Aug. 1933
- self preservation from drowning. [G. E. Walsh] *Country Life*. May 1915
- survey. [Roger W. Wheeler] *Beach & Pool*. May 1936
- why drown? (il) [Charles B. Scully] *Sat. Eve. Post*. July 12, 1930
- RECOVERING CADAVERS, methods of. [P. Chavigny] *Ann. de méd. lég.* April 1935

RESUSCITATION FROM. See Resuscitation**SELF-PRESERVATION FROM. See Drowning, prevention of****SENSATIONS IN, [J. A. Lowson] Edinburgh M. J. n.s., 13:41-45. 1903**

WATER IN LUNGS, observation on process of aspiration of liquid during course of drowning. [Y. Yokochi and K. Kato] *Sei-I-Kai M. J.* March 1937

—of drowned animals. [Peter V. Kar-povich] *Arch. Path.* June 1933

Drummond, Ronald Blake. Art of wave riding. (il) 26p Cloister. 1931

Dryers, Hair. See Pools and Bathing Places, Equipment for

Dryers, Hand. See Pools and Bathing Places, Equipment for

Dryers, Suit and Towel. See Laundry, equipment

DuBois, Goddard. Nielsen method of artificial respiration. *J. Health & Phys. Educ.* Jan. 1936

Du Choul, Guillaume. *Discorso del S. Gvglielmo Chovl . . . sopra la castrametatione & bagni antichi de i Greci & Romani. Nouamente reuisto & ricorretto dall' istesso auttore. Con l'aggiunta della figura del campo romano.* (il) 80p Appres. Marc' Antonio Olmo. 1558

Dudgeon, R. E. Swimming baths of London. 6d. 35p London. 1870

Duflô, J. P. A. *L'art de mer et en rivières appris sans maître.* 1st ed. 92p 1866; 2nd ed. 88p Taride. 1885

Dugan, T. M. Municipal swimming pool, Brookline, Massachusetts. *Domest. Engin.* May 15, 1926

Duhot, E. De quelques accidents pouvant survenir au cours des bains. *Écho méd. du Nord*. Oct. 22, 1932

Dujarric de la Rivière, R. *Higiène des piscines et bains publics.* Bull. Acad. de méd. Paris. May 28, 1929

Duncan, D. G. Ringworm and allied eruptions. *J. Oklahoma M. Assoc.* Aug. 1932

Duncan, F. Swimming pool at Cornish, New Hampshire. *Country Life*. July 1906

Duncan, Margaret May. Study of the effect of rhythmic training in swimming on the performance of the side and crawl strokes. Thesis. 44p Univ. Washington. 1935

Dunham, G. C. Purification of swimming pool water. *Mil. Surg.* March 1929

Dunlap, A. M. Swimmer's ear. *Chinese M. J.* March 1935

Dunlap, James E. Swimming-stroke of the ancients. *Art & Archeol.* July 1928

Dunlop, Durham. Philosophy of the bath or, air and water in health and disease. 465p Simpkin, Marshall. 1868

Philosophy of the bath, with a history of hydrotherapeutics and of the hot-bath from the earliest ages. 4th ed. 465p Kent. 1880

Dunlop, R. H. Wallace. On the best means of saving swimmers from drowning. London. The Author. 1881. 1883

Written for the Annual Report of the Royal Humane Society.

Plate swimming with notes on the science of natation. 128p Routledge. 1877

Dunnell, J. Water sports and outboards. St. Nichol. Oct. 1930

Durand. Les fontaines guérisseuses. Paris méd. (annexe). Sept. 19, 1936

Durant, Ghislain. Sea-bathing: its use and abuse. Harper's Mag. 1878(?); reprint 60p Cogswell. 1878

Durlin, W. B. Water works swimming pool. J. Am. Water Works Assoc. p539 1908

Dutch System of Water Purification. See Water Purification, Dutch system

Dye, Frederick W. Heating and hot water work. 192p E. & F. N. Spon; Spon. 1924

Dyer, W. A. Man's job. Collier's. June 2, 1923

Dyson, V. Save three hundred lives. Am. July 1914

E

Eager, John M. Indoor tropics: the injurious effect of overheated dwellings, schools, etc. 8p Gov. Printing Off. 1913

Eagle, Ross. Give the pros. a chance. Swim. Times. Aug. 1936

Ear Irritations. See Diseases, ear; Drowning, causes of

Easton, J. M. Open-air swimming pools; factors in their efficient design. Swim. Times. Oct. 1935

Open-air swimming pools, Great Britain, with discussion. (il, diags) J. Roy. San. Inst. Nov. 1935

Easton, W. H. Breath of life—at your service. (il) Lit. Dig. Nov. 23, 1935; also Sc. Am. Dec. 1935; also Read. Dig. Aug. 1936

Eastwood, Floyd R. Playing in the water. Scholastic C. Jan. 1933; also Recrea. July 1933

Progressive swimming. Thesis. Springfield Col. 1922

—See Lloyd, Frank S. jt. auth.

Eaton, I. K. Simplified swimming. De-lineator. July 1921

Eaton, W. P. Old swimming hole. Out-ing. Aug. 1913

Eckert-Möbius, A. Erkrankungen und Schädigungen des Ohres und der oberen Luftwege beim Baden. Med. Welt. June 30, 1934

Ecklund, A. W. Public health laboratory as aid in securing pure water. Journal-Lancet. Jan. 15, 1931

Economy of Energy. See Speed Swimming; Strokes; Teaching

Eddy, W. H. Let's go swimming. (il) Good Housekeep. Aug. 1936

Ederle, Gertrude. Wet marathons. Internat. Sports. Sept. 1932

—across the straits: a record of Channel swims and other crossings. Including a 3rd ed. of Captain Webb's great swim from England to France. 6d. 44p Dover Express. 1936(?)

—Ederle—and memories. All Sports. Nov. 1936

—girl who wouldn't quit—Gertrude Ederle's Channel swim. Sat. Eve. Post. Sept. 11, 1926

—how a girl beat Leander at the Hero game: abstracts or reproductions of editorials on Gertrude Ederle's Channel swim from various newspapers over country. Lit. Dig. Aug. 21, 1926

—portrait: Gertrude Ederle's Channel swim. Collier's. Aug. 14, 1926; also Rev. of Rev. Sept. 1926

—queen of the waters, Gertrude Ederle. [W. Trumbull] St. Nichol. Oct. 1926

—la traversée de la Manche à la nage par une femme (crossing of the channel by a woman swimming). L'illustration. Aug. 14, 1926

Edwards, Gail Phillips. Relation of hydrogen-ion concentration to the properties of alum floc. Ph.D. Thesis. 133p Univ. Illinois. 1923

Edwards, H. T. See Johnson, R. E. jt. auth.

Edwards, R. B. Coramine and its value in life-saving. Baths & Bath Engin. March 1938

Effects of Baths. See Physiological Aspects, effects of baths

Effects of Competition. See Competition, effects of

Egardner, Z. T. and Lackey, J. H. Lanterns and floats. South Park Comm. 1934

Eggenberger. See Broustet, P. jt. auth.

Egger, A. A. Certain factors in more rapid bacteriologic analysis of water. Gig. i sotsialist. zdravookh. (no.1) 1:59-66. 1932

Sediment and impurities in supposedly filtered water. Profilak. med. July-Aug. 1932

Ehlers, V. M. General design features of public swimming pools. (il, diags) Municipal News & Water Works. July 1928

Sanitation of swimming pools. Municipal & County Engin. Sept. 1924

Ehrenpreis, E. Effects of carbonic acid baths at Krynica. Polska gaz. lek. May 23, 1937

Ehrke, E. B. Bathing-beach commandments. (il) Good Housekeep. July 1937

Eichelman, Wm. H. Designs, contours, survey. Notab. Swim. Pools. 1:84-87. 1933

Specification for a regulation pool. Swim. Pool Data & Ref. Ann. 3:15-22. 1935

Eijsselsstein, O. Die Methoden der künstlichen Atmung. Berlin. 1912

BIBLIOGRAPHY OF SWIMMING

Eisenmenger, R. Wiederbelebung auf neuer Grundlage. *Zentralbl. f. Gewerbehyg.* Sept.-Dec. 1934

Eldridge, E. Hard water, an unnecessary evil. *Michigan State Health Bull.* Jan. 1925

Eldridge, Edward F. See Theroux, Frank R. jt. auth.

Electricity for Heating. See Pool Buildings and Water, Heating of, electrical

Electricity for Purification of Water. See Water Purification, electrical

Elementary Back Stroke. See Strokes; Teaching

Elhardt, W. P. and Orth, O. S. Effect of water polo on blood pressure and heart rate. *Res. Quart.* May 1936

Elkeles, G. Die Bedeutung der gleichmässigen Verteilung des Chlors in Bassinwasser der Badeanstalten. *Gesundh.-Ing.* 49:151. 1926

Elliott, R. A. Swimming as an exercise in the treatment of infantile paralysis. *J. Health & Phys. Educ.* March 1932

Elliott, S. Ammonia-chlorine treatment; experiments with waters of different degrees of acidity and alkalinity and varying amounts of pollution. *J. Roy. Army M. Corps.* Aug. 1936

Determination of available chlorine in water-sterilizing powder (chlorine) by means of Horrocks box and hypotables. *J. Roy. Army M. Corps.* Aug. 1927

Ellis, E. H. "Biofilter system" applied to swimming pool water purification. *Baths & Bath Engin.* Nov.-Dec. 1936

Ellison, G.; Hackler, H. W.; and Buice, W. A. Comparison on numbers of *Bacterium coli* in iced and uniced samples of water shipped to laboratory for bacteriological examination. *South. Med. J.* Nov. 1928

Ellms, Joseph Wilton. Eliminating pollution from Great Lakes and St. Lawrence waterways; Lake Erie and Niagara River. *Am. J. Pub. Health.* May 1927

Water purification. 1st ed. \$5 1917; 2nd ed. \$7 594p McGraw-Hill. 1928

—**and Gettrust, J. S.** Study of the behavior of rapid sand filters subjected to the high-velocity method of washing. *Am. Soc. Civil Engin.* 1916

Elmore, E. W. Breast stroke swimming passing. *Mind & Body.* Feb. 1919

Elyot, Thomas. Boke called the Governor. Knight. 1531. 1537. 1834. Ed. by H. H. S. Croft. 1880

Elzner, Anderson and Becker, W. A. Jewel that gleams in the night. *Beach & Pool.* Dec. 1927

Emergencies in Pool Operation. See Pools and Bathing Places, Operation of, emergencies in

Emotions. See Physiological Aspects

Empire Games. See Meets, Empire Games

Enamel Brick in Pool Construction. See Pools and Bathing Places, Construction of, brick for

Endurance. See Coaching; Distance Swimming; Speed Swimming; Speed Swimming, endurance test; Strokes; Teaching

Energy Cost of Swimming. See Physiological Aspects, energy cost

Enforcing Laws. See Pools and Bathing Places, Operation of, enforcing laws

Engelsen, H. Norman. Recreational swimming. *Beach & Pool.* July 1932

Value of swimming as a recreational activity. (ii) *Recrea.* June 1932

Engever. Wassersport—ein Volksport. Westermann's Monatsh. April 1928

England. See Diving, in England; Meets, A.S.A.; Meets, Empire Games; Polo, European

Englehart, F. Filipino athletes at Far Eastern Olympic Games. *Phys. Train.* Nov. 1923

English, C. H. Play ground program. *Am. Phys. Educ. Rev.* March 1929

English Channel. See Distance Swimming, English Channel

English Overarm Stroke. See Strokes; Teaching

English Royal Life Saving Society. See Life Saving, English Royal; Royal Life Saving Society of England

Engwer, Theodor. Wassersport und Gesundheit; ein ärztlicher Ratgeber für Wassersportfreunde. (ii) 137p Westermann. 1925

Enlows, H. F. Every person a swimmer, every swimmer a life saver. *Michigan State Health Bull.* Aug. 1925

Health for the swimmer. *Hygeia.* July 1925

Modern Good Samaritan. *Nat. Saf. News.* Oct. 1930

National group affiliations for water safety. *Red Cross Cou.* June 1, 1925

Thinking in terms of the physically handicapped. *Red Cross Cou.* Feb. 15, 1927

Epidemics. See Diseases, relation to pools

Epidermophytosis. See Diseases, skin

Epshteyn, Z. L. and Pechenaya, R. B. Effect of carbonated, sea and alkaline baths on basal metabolism. *Sovet. vrach. gaz.* Oct. 15 and 31, 1932

Equipment for Pools and Bathing Places. See Pools and Bathing Places, Equipment for

Erb, K. and Scheppohat. Die Anwendung des Pummotors im Operationssaal, ihre Indikation und ihre Grenzen. *München. med. Wchnschr.* Aug. 23, 1929

Erlwein, G. Apparatus for the sterilization of water by ozone. *Sc. Am. (Supp.).* April 14, 1906

Escomel, E. Prevention of water pollution. *Siglo méd.* 74:273-76. Sept. 20, 1924

Esjernson, R. A. Kinaesthesia in relation to motor skills. *Thesis.* Springfield Col. 1928

Esmond, L. A. d'. *L'esprit de l'homme de guerre.* 414p Paris. 1830

Esprit, Adolphe. *Petit traité de natation.* 36p Méra. 1864

Este, M. L. *Cursory remarks on baths.* 60p Ridgway. 1811
Remarks on baths, water, swimming. Ridgway. 1811; Mitchell. 1812; *reprint* Mitchell. 1845

Etrillard, P. See Dienert, F. jt. auth.

Eubank, Vivian. *Water games.* Recrea. Aug. 1936

Euler, Carl. *Kleines Lehrbuch der Schwimmkunst.* Rev. ed. 58p Mitler. 1891

European Polo. See Polo, European

European Pools. See Pools and Bathing Places, European

Eve, F. C. See Killick, E. M. jt. auth.

Everson, Marjorie. Brief outline of the existence and details of the Victor Lawson "Y." Beach & Pool. April 1936
Swimming pool observations. Beach & Pool. March 1936

Everwear Manufacturing Company. See American Playgroud Device Company; Spalding, A. G., and Brothers, jt. auth.

Ewes, M. L. Methods for rescue and resuscitation. Pearson's Mag. July 1899

Examination. See Pools and Bathing Places, Sanitation of, examination of pools; Tests; Water Analysis

Ex-Club Captain, (pseud). A B C of swimming, a royal road to the art. 83p Drane. 1902
By Robert Marriner Painter.

Exhibitions
See also Recreational Swimming; Teaching
—aqueous solutions for Miss America. [Marie W. Bishop] Beach & Pool. March-April 1936
—novel water exhibition at Seward Park, N. Y., high school. Beach & Pool. Oct. 1934
—programs for. [C. P. Thayer] J. Health & Phys. Educ. Sept. 1928
—swimming pool programs. Playgroud. July 1928
—swimming programs in municipal pools. (il) Recrea. July 1931
CARNIVALS, [E. R. Burt] Woman's Home Comp. July 1924
—[M. Stern] Mind & Body. June 1916
—home talent water carnival. [G. Fox] Playgroud. Aug. 1922
—how to conduct. [Victor Grant Zoble] Beach & Pool. Jan. 1936
CIRCUS, [Alice J. Goodman] Free. A.R.C.
FESTIVALS, Boyolympics and All Nations Festival. (il) [R. Borrelli] Recrea. July 1936
—come to Blackpool. First Amateur Swimming Association Championships festival. [John Hodgson] Swim. Times. June 1935
—swimfest in Syracuse. [J. C. Kieffer] Playgroud. Nov. 1927
—swimming gala organisation. [E. J. Larkin] Swim. Times. Oct. 1935

FORMATION FLOATING AND SWIMMING, figure floating. Swim. Times. May-July and Oct. 1936

—figure swimming. [Ruth E. Campbell] Camps & Camping. p84-9. 1931

PAGEANTS. See also Teaching, through pageants and plays
—April showers. [H. Margaret Lea] Water Sports. p44-50. 1935-36
—building business with. [Nathan H. Kaufman] Swim. Pool Data & Ref. Ann. 6:49. 1938
—conch shell. [Olive McCormick] Free. A.R.C.
—district swimming school. [W. E. Longfellow] Section (p47-55) from Book of Aquatics. 63p Camp Fire Outfit. Co. 1925
—England's first water pageant. Women's League of Health and Beauty swimming gala. Swim. Times. Feb. 1937
—fish story. [Marie W. Bishop] Saf. Educ. June 1932
—for an outdoor municipal pool. [C. F. Belliston] Thesis. Univ. Oregon. 1936
—for opening swimming pool. [W. E. Longfellow] Am. Swimmer. Feb. 1923
—for swimming classes. [Lucy S. Proudfoot] 50c Womans Press. 1924
—for swimming pool. [A. M. Potter] J. Health & Phys. Educ. March 1930
—freedom of the water. [W. E. Longfellow] Free. A.R.C.
—giant's garden; fairy water play. [Lucy S. Proudfoot] 50c Womans Press. 1924
—gift of Lono. [H. Margaret Lea] Camps & Camping. p80-3. 1931
—how swimming grew up. [W. E. Longfellow] Free. A.R.C.
—ideal water pageant. [Bernice Fash] Beach & Pool. Feb.-March 1936
—Indian swimming pageant. [Eunice Knox] 25c Womans Press
—judgment of Neptune. [W. E. Longfellow] Am. Phys. Educ. Rev. June 1928
—King Neptune likes live people; an interview with the sea king. [W. E. Longfellow] Saf. Educ. June 1927
—King Neptune's carnival. [B. Dean Brink] Mimeo. Free. 2p A.R.C.
—King Neptune's cure for piracy. [American Red Cross] Free. A.R.C.
—kingdom of isles. [Ruth Pursell and Margaret Strassler] 30c 8p Womans Press
—king's birthday. [Marie W. Bishop] Beach & Pool. July 1932
—King's Scout swimmer and rescuer. [Frank E. Coombs] 20c Boy Scouts
—lake—an outdoor summer play—a play on water safety. [Lucy Barton] Sat. Educ. May 1927

BIBLIOGRAPHY OF SWIMMING

Exhibitions—Continued**PAGEANTS—Continued**

- light princess. [Mary Kathleen Lapham] *Aquat.* p26-9. 1931-32
- list of. [Linwood Taft, comp] 25c *Drama League*
- magic urn. [Olive McCormick] *Beach & Pool.* March 1933
- mermaids' plight: a briny tale. [Marian G. Smith and Betty Hicks] *J. Health & Phys. Educ.* Jan. 1937
- Narcissa and the hunter. [Olive McCormick] *Free. A.R.C.*
- Natanis' gift to his people. [Constance Witte] *Beach & Pool.* April 1933 *Indian water pageant, necessitating use of canoes.*
- night in Hawaii. [W. E. Longfellow] *Free. A.R.C.*
- pageantry, contests and water games. [Katharine Whitney Curtis] *Beach & Pool.* Oct. 1937
Paper read at 4th International Swimming Pool Clinic held at the Medinah Club, Chicago, September 7-11, 1937.
- plays and pageants (health). *Commun. Drama Serv.*
- Princess Elaine's tournament. [C. M. Winter] *Beach & Pool.* July 1934
- princess learns to swim. [Alice Drake] *Free. A.R.C.*
- Professor Bullfrog's school. [Katharine Whitney Curtis] *Section (p212-17) from Swimming and Water Safety.* 3rd ed. 75c 248p *Boy Scouts.* 1931
- rainbow fountain and The harp of Apollo. [Delphine Harris Coy] Pa. 30c 28p *Womans Press.* 1930
- rescue and Sea sand: two water pantomimes. [Lucy S. Proudfoot] Pa. 50c 22p *Womans Press.* 1924
- showing Neptune. [W. E. Longfellow] *Free.* 4p *A.R.C.*
- showing Neptune's daughter. [Cecelia Deubig] *Am. Swimmer.* Nov.-Dec. 1922; *also Girl Scouts*
- source book of water pageantry. (il) [Katharine Whitney Curtis] *Mimeo.* Pa. \$1.75 129p *Chicago, Ill., 1368 Sedgwick.* The Author. Printed by *College Press.* 1936
- sun commands. [Constance Witte] *Beach & Pool.* Feb. 1933
- truce of two tribes. [Olive McCormick] *Section (p209-12) from Swimming and Water Safety.* 3rd ed. 75c 248p *Boy Scouts.* 1931
- use in educational programs. [Allene D. Good] *Thesis. Univ. Texas.* 1937
- water gate. [W. E. Longfellow] *A.R.C.*
- water pageants, games and stunts. [Olive McCormick] \$2 138p *Barnes.* 1933; 9s 6d. *Lib. Press.* 1936
- water play without words. [Lucy S. Proudfoot] *Ath. Handb.* p77-9. 1927
- water plays and pageants help swimming grow. [W. E. Longfellow] *Mind & Body.* Sept.-Oct. 1924
- water tribe. [C. P. L. Nicholls] *Beach & Pool.* Jan. 1937
- water witchery. [Bernice Fash] *Beach & Pool.* March 1937

—with a purpose: Series I—swimming pageants for outdoor production; Series II—swimming pageants for outdoor and indoor production; Series III—swimming pageants and stunts; Series IV—swimming pageants for outdoor production. [Mary A. Brownell] 75c ea. 16p ea. *Barnes.* 1926
Each series bound separately in paper.
Ed. by Linwood Taft.

PUBLICITY THROUGH. See *Publicity, through pageants and programs*

Experimental Studies on Drowning. See *Drowning, experimental studies on*

Expositions. See *World's Fair*

Eye Infections. See *Diseases, conjunctivitis*

Eykel, R. N. M. Danger of transmission of Weil's disease from swimming in contaminated water. *Tijdschr. v. sociale hyg.* May 1933

Eymann, W. *Freibäder. Gesundh.-Ing.* Feb. 25-Mar. 3, 1928

F

F.I.N.A. See *Fédération Internationale de Natation Amateur*

Fabens, R. *Sports pour tous. La natation.* *Colin.* 1905

Faber, E. E. River and lake bathing in winter. *Ugesk. f. læger.* June 13, 1918. *Abstract Aug. 31, 1918*

Fabricius, H. M. Study of swimming techniques as a means of correcting certain postural abnormalities. *Thesis. Univ. Oregon.* 1936

Facilities for Recreational Swimming. See *Recreational Swimming, facilities and leadership*

Fair. Swimming pool sanitation: a review. *Internat. J. Pub. Health.* Nov.-Dec. 1921

Fair, G. M. Inferential index of swimming pool purity. *Am. J. Pub. Health.* June 1920

Fairburn, J. Art of swimming: Fairburn's edition. 16p *London, 110 Minories.* The Author. 1824; *reprint* 24p 1830

Fancy Diving. See *Diving, fancy*

Farmer, Curran Adams. Evaluation of boy's physical activities based on research and accepted objectives. *Thesis. Peabody Col.* 1934

Farnsworth, L. S. Amateur Diving Association. *Swim. Times.* Sept. 1935

Farreras, P. Los pelegros de los baños y de la natación. *Rev. españ. de med. y cir.* Sept. 1933

Farrow, Edward Samuel. Military system of gymnastic exercises and a system of swimming. 81p *Metropolitan Pub.* 1881

Fash, Bernice. Ideal water pageant. *Beach & Pool.* Feb.-March 1936

Water witchery. *Beach & Pool.* March 1937

Faulds, John. See Leigh-Wood, James, jt. auth.

Faust, Raymond Johns. Artificial swimming pools: construction materials, lay-out and detailed designs, operation and use. Thesis. Pennsylvania State Col. 1935

Fauver, E. Physical education building at University of Rochester, Rochester, New York. Res. Quart. March 1931

Fawcett, W. Apparatus of the United States Life Saving Service. (il) Sc. Am. Dec. 29, 1906

New aids for our life savers. Indep. March 6, 1913

Fear

- See also Diving; Teaching
- are you afraid of the water? [A. Hardig] Am. Aug. 1922
- as an inhibitory factor in a motor function. [Dorothy Elizabeth Bresnahan] Thesis. Loyola Univ. 1929
- fear element in swimming. [Lou Breker] Swim. Oct. 1924
- fear psychology in swimming. [I. W. Scherer] J. Health & Phys. Educ. March 1931
- helping children to overcome fear. [R. Sapin] Par. Mag. Aug. 1933
- origin of swimming fears: a psychogenetic study. [Lewis L. Berlin] Thesis. New York Univ. 1933
- relationship between measures of swimming achievement, fear, motor ability, and rhythm among college women. [Dorothy Dow Rogers] Thesis. Univ. Iowa. 1934
- singing games as a teaching approach to overcoming children's fear in the water. [Olive McCormick] Aquat. 25p 1931-32

Fédération Internationale de Natation Amateur. Rules and laws governing swimming, diving and water polo 1937-1940. \$1 164p F.I.N.A. 1937
Obtainable in America from A.A.U.

Federation of Aquatics

- Federation of Aquatics. [S. W. Ingram] Swim. Pool Data & Ref. Ann. 5:60-62. 1937

Feeble-Minded

- See also Teaching
- recreation with the feeble minded. [E. R. Johnstone] Am. Phys. Educ. Rev. Jan. 1925

Felter, M. B. Home-made swimming pool. St. Nichol. June 1915

Fenton, Ralph. Otorhinologic pathology from swimming. Ann. Otol. Rhin. & Laryng. March 1928

Sinusitis from swimming. Am. Acad. Ophth. Otolaryng., Tr. p413-26. 1922; also J. Am. Med. Assoc. Aug. 4, 1923

Swimming pool pathology. Northwest Med. May 1928

Ferguson, G. H. Eliminating pollution from Great Lakes and St. Lawrence waterways; Lake Superior. Am. J. Pub. Health. June 1927

Ferguson, Harry F. See Illinois State Department of Public Health, Division of Sanitary Engineering

—See Gage, S. DeM. jt. auth.

Ferguson, J. Crawl-stroke idea. Swim. Times. April 1936

Ferguson, James. How to swim. 1d. 30p Lockhead. 1894

Ferguson, V. W. See Vogeler, Rudolf F. jt. auth.

Fern, H. E. Keeping the swimming bath clean. Swim. Times. Sept. 1937

—See Leigh-Wood, James, jt. auth.

Fernald, J. F. Modern filtration plant. (il) Sc. Am. July 29, 1905

Ferrier, D. and Herb, R. G. Asphyxia. Article from Quain's Dictionary of Medicine. 3rd ed. Longmans. 1902

Fertig, J. H. Legal aspects of stream pollution problem. Am. J. Pub. Health. Aug. 1926

Fervers, C. Beitrag zur Entstehung von Halswirbelsäulenbrüchen durch Schwimmenfälle. München. med. Wchnschr. May 19, 1933

Fessler. Wiederbelebung durch künstliche Atmung. Deutsche med. Wchnschr. Dec. 1917

Fessler, A. See Oppenheim, M. jt. auth.

Festivals. See Exhibitions, festivals

Fichtl, J. Neuzeitliche Gesichtspunkte beim Bau von Grossbadeanstalten. Gesundh.-Ing. 48:282. 1925

Ficlor Company. See Bacharach, E. W., and Company, jt. auth.

Field, Leonard Felix. New York Civil Service examination for swimming instructor. Mind & Body. May 1918

Figure Floating. See Exhibitions, formation floating and swimming

Filter Beds. See Water Purification, filter beds

Filters. See Pools and Bathing Places, Construction of, water purification plants; Water Purification, filtration and recirculation; Water Purification, plants

Filtration. See Water Purification, filtration and recirculation

Finan, Lelia M. Mass teaching and competition in swimming. Am. Phys. Educ. Rev. Jan. 1929

Modified water polo. Aquat. p38-9. 1931-32

Teaching beginners to dive. Aquat. p45-6. 1931-32

Financial Aspects of Pools and Bathing Places. See Pools and Bathing Places, Financial Aspects of

Findlayson. South Africa's best. Swim. Times. Aug. 1934

Fink, A. F. Effect of music upon motor coordination. Thesis. Springfield Col. 1921

Finney, James. Hints on swimming. 16p Clegg. 1886

First Stroke. See Teaching; Teaching, beginners; Teaching, first stroke

Fishbein, Morris. See Fishbein, William, jt. auth.

Fishbein, William and Morris. Athletics and diet. Scholastic C. Sept. 1932

Fisher, G. J. Campaign to teach every boy and young man to swim. Phys. Train. May 1910

Fisher, George R. G. Manual of artificial respiration. 75c 80p Stratford. 1923

Fisher, H. F. Committee member. See U.S. Bureau of Mines, Committee on Oil Pollution

—See Lane, F. W. jt. auth.

Fisher, Irving. Influence of flesh eating on endurance. Yale Med. J. March 1907

Fishes, Swimming Techniques

- how the fishes learned to swim. (il) [A. Heintz] Smithsonian. 1934
Price varies; free to libraries.
- hygienic observations concerning a fish movement in a pool in Torino. [G. Grazia dei] Igiene mod. 18:353-60. 1925
- locomotion of fishes. [C. M. Breder, jr.] Zoologica. 4: no. 5, 159-297
- muscular movements of the fish. [L. Brunet] Rev. de Sc. Gén. Nov. 30, 1934

Fisk, Harry W. Bather's guide and athlete's companion. 6d. 100p Portsmouth Swim. Club. 1878

How to swim. Free. 6p Portsmouth Swim. Club. 1879

Swimming and bathing for females. Swim. News. Sept. 3, 1878

Swimming in the Royal Navy. Swim. News. May 1, 1878

Fitz, R. U. See Moyer, J. A. jt. auth.

Fitzgerald, W. G. Swimming school for horses. (il) Roy. Mag. July 1903

Flad, Marion. Leisure-time activities of 400 persons. Sociol. & Social Res. Jan.-Feb. 1934

Flagg, P. J. Prevent asphyxial death. Hygeia. Jan.-Feb. 1936

Flash, F. I can't afford to lose! Amateur racket. (il) Delineator. Aug. 1936

Fleet, John. Discourse relative to the subject of animation, delivered before the Human Society of the commonwealth of Massachusetts, at their semiannual meeting June 13th, 1797. 25p Boston, Mass. John and Thomas Fleet. 1797

Fletcher, A. H. and Clark, A. E. Application of principles of water purification to control of pools. (tables, diagrs) Am. J. Pub. Health. May 1933

—**Clark, A. E., and Link, E. C.** Some factors involved in use of chloramines for swimming pool disinfection. Am. J. Pub. Health. Dec. 1933; also Beach & Pool. April-May 1934; reprint 15c Am. Pub. Health Assoc.

—**and Link, E. C.** Some factors involved in use of chloramines for disinfection of swimming pools. Am. J. Pub. Health. Dec. 1933

Fletcher, John Price. What one should know about swimming. Cosmopol. 27:332-36. 1899

—(comp). American swimming manual. 43p Riverdale. 1899

Floating

- See also Teaching
- ability of women. [Rozelle Rork and Frances A. Hellebrandt] Res. Quart. Dec. 1937
- how to float. [L. de B. Handley] Outing. Aug. 1917
- natural and artificial buoyancy, flotation and body balance in the water. [T. K. Cureton, jr.] Beach & Pool. Sept. 1933
- relation of buoyancy to the learning rate in beginning swimming. [Edith A. Aldrich] Thesis. Univ. Iowa. 1935
- study of buoyance in relation to swimming. [Eva C. Lyman] Thesis. Univ. Iowa. 1930
- teaching body buoyancy. [Clarence A. Bush] Ath. J. Nov. 1926
- this floating business. [Frank Sandon] Swim. Times. June 1935
- you can't sink. [Robert J. H. Kiphuth] Am. Aug. 1936

FORMATION. See Exhibitions, formation floating and swimming

HISTORICAL MATERIAL. See also Drowning, historical material; History

- essay toward ascertaining the specific gravity of living men. [John Robertson] London. 1757
- treatise on swimming with advice about bathing. [Benjamin Franklin] Gentleman's Mag. Oct. 1777

SPECIFIC GRAVITY. See also Floating, historical material; Teaching

- drowning; discussing specific gravity of the human body and the positions in which men and women float. [J. Dixon Mann] Article from Quain's Dictionary of Medicine. 3rd ed. Longmans. 1902
- new educational life preserver. [A. H. Jones] 35c 31p Brooklyn, N.Y., 268 Linden Boulevard. The Author. 1932
- object will sink if it weighs more than the volume of water it displaces. Sc. Am. Aug. 7, 1920
- of the human body—an approach to analysis of body weight into muscle, bone, and fat quotas. [Mabel Davies] Thesis. Wellesley Col. 1930
- studies of the specific gravity of boys in the swimming bath. [A. A. Mumford] Chapter from Healthy Growth. \$5; 16s. 348p Oxford Univ. Press. 1927
- weight in water. [Archimedes] Sc. News Letter. April 28, 1928. Extract from The Works of Archimedes. Ed. by T. L. Heath. Cambridge, Eng. 1897

Bk I, Proposition 7, On floating bodies.

Floating Baths. See Pools and Bathing Places, floating baths

Floats. See Pools and Bathing Places, Equipment for, floats and lanterns

Flössner, O. and Kutscher, F. Examination of urine of participants in Olympic Games. *Sitzungsb. d. Gesellsch. z. Beförd. d. ges. Naturw. zu Marburg.* 62:283-93. 1927

Flom, Mary A. Hopes for a National Swimming Club for college women. Sportswoman. June 1, 1926

Flood Lights. See Pools and Bathing Places, Lighting of, flood lights

Florida State Board of Health. Sanitation, operation, regulations, inspection, and provisions regarding public bathing places. Free. 4p Florida State Board Health. 1919

Fodor, G. Ueber die Beziehungen der Schwimmabekonjunktivitis zum Trachom. *Ztschr. f. Augenh.* Oct. 1927

Föllmer, W. über des verhalten des Minutenvolumens des Herzens nach kalten Seebädern. *Ztschr. f. klin. Med.* 124: 146-52. 1933

Follicular Conjunctivitis. See Diseases, conjunctivitis

Foltz, C. B. New era of swimming for women. *Swim.* July 1925

Forbes, J. A. Pollution of swimming baths. *School Hyg. (Eng.).* May 1912

Forbes, J. G. Swimming baths; dangers of pollution and measures for prevention. *J. State Med.* Oct. 1927

Forbes, Robert Bennet. Life boat, and other life-saving inventions. 20p Williams & Co. 1880

Life-boats, projectiles and other means for saving life. 163p Lunt. 1872

Ford, A. H. Boy's paradise in the Pacific. St. Nichol. Aug. 1908

Ford, J. A. How youth won \$25,000 swim. Pop. Mechan. April 1927

Ford, J. E. Can science raise the dead? (il) Pop. Sc. Feb. 1935

Fordyce, Claude Powell. Safety first in the water. (il) *Hygeia.* July 29, 1929. *Condensed Lit. Dig.* Aug. 31, 1929

Form in Swimming. See Coaching, training; Officiating, rules for swimming, diving and water polo; Speed Swimming; Strokes; Teaching, form; Tests, form

Formation Floating and Swimming. See Exhibitions, formation floating and swimming

Forrest, George (J. G. Wood, pseud). Every boy's book. Routledge & Co. 1855; 2nd ed. 1864 under title, *Every Little Boy's Book*; 3rd ed. 1897 under title, *Every Boy's Book*, ed. by Louis Hoffmann

Handbook of swimming and skating. 1858; Routledge & Co. 1860. 1863

Forty pages on Swimming, by J. G. Wood.

Forsberg, Ole. Swimming pool sanitation. Minnesota Municip. May 1926

Fort Lauderdale Forum. See Forums, Ft. Lauderdale

Forty, F. J. See Wilkinson, Frank, jt. auth.

Forums

COLGATE, report of, [S. W. Ingram] Beach & Pool. July 1935

COLUMBIA, noted aquatic leaders in Eastern section of country to conduct forum in New York City. Rich program promised. [Earl K. Collins] Beach & Pool. April 1937

FT. LAUDERDALE, Aquatic Forum. [Earl K. Collins] Beach & Pool. Oct. 1936

—international pools given impetus by both foreign and domestic representation at Third Annual Aquatic Forum, Fort Lauderdale, Fla. Chamber of Commerce active on plans for Fourth Forum. (il) [Edward T. Kennedy] Beach & Pool. Jan. 1938

—Katherine Rawls invites Japanese to Third Annual Aquatic Forum, Fort Lauderdale, Fla. [August Burghard] Beach & Pool. Aug. 1937

—official report of the Second Annual Aquatic Forum. [August Burghard] *Swim. Pool Data & Ref. Ann.* 5:37-38. 1937

—official report of the Third Annual Aquatic Forum, Fort Lauderdale, Florida. [August Burghard] *Swim. Pool Data & Ref. Ann.* 6:46-47. 1938

—Second Annual Forum is a monument to swimming. Beach & Pool. Feb. 1937

—training period to be held in Ft. Lauderdale. [S. W. Ingram] Beach & Pool. Nov. 1935

Foster, A. O. See Schneider, Edward C. jt. auth.

Foster, E. H. T. Bacteriological examination of swimming pools. *Phys. Train.* Dec. 1908

Foster, J. E. Construction of rectangular concrete swimming pool. Beach & Pool. May 1927

Fothergill, A. New enquiry into the suspension of vital action in cases of drowning and suffocation. Bath, England. 1795

On the preservation of shipwrecked mariners. London. 1799

—and **Hawes, W.** Address to the King and Parliament of Great Britain on preserving the lives of the inhabitants: also hints for restoring animation by an improved plan. London. 1783

Fothergill, John. Observations on a case published in the last volume of medical essays of recovering a man dead in appearance, by distending the lungs with air. *Tr. Roy. Soc. Edinburgh*, v43. 1744

Fountain, P. Swimming powers of animals. *Living Age.* May 21, 1904

Fournier d'Adissan, P. P. Théorie du nager de l'homme, présentée et publiquement soutenue à la Faculté de médecine de Montpellier. 23p Martel. 1815

Fox, G. Home talent water carnival. Play-ground. Aug. 1922

BIBLIOGRAPHY OF SWIMMING

Fox, L. A. Field chlorination of water; factors influencing use of stable calcium hypochlorite in water sterilizing bag. *Mil. Surg.* May 1936

Fox, R. F. Physiology of bathing. *Clin. J.* 41:183-87. 1912-13

France, National Federation of. See National Federation of France

Francis, Hugh. Breast stroke: will the old stroke stand another test or trial? *Swim. Times.* Feb. 1936

Francis, Samuel Ward. Water: its history, characteristics, hygienic and therapeutic uses. *Philadelphia Med. & Surg. Rep.* v6. 1861; *reprint* 47p Wood. 1861

Francis, William. 1935 "looks good" for Scottish swimmers. *Swim. Times.* Feb. 1935

Portobello's palatial pool. *Swim. Times.* June 1936

Swimming. (il) \$1 88p Mill. 1937; also 2s. 6d. Blackie

Wembley lessons having effect; Scots who are quietly profiting. *Swim. Times.* Oct. 1934

Wrong spirit in swimming: Scottish views on variety of topics—plea for British polo league. *Swim. Times.* Sept. 1935

Francke, Heinrich F. (J. H. Rausse, pseud). Errors of physicians and others in the practice of the water-cure as a remedial agent in the prevention and cure of diseases, with instructions for its proper application. 91p Fowler & Wells. Donovan. 1848
Tr. by C. H. Meeker.

Frank, S. B. Father Neptune's young nephew: Joe Ruddy, patriarch of water-polo. (il) *Lit. Dig.* Jan. 26, 1935

Franke, M. and Lankosz, J. Electrocardiograph of older school children devoted to sports. *Polska gaz. lek.* Dec. 22, 1935

Franklin, Benjamin. Experiments and observations: treatise on swimming with advice about bathing; comments on specific gravity. *Gentleman's Mag.* Oct. 1777
Pub. also in *J. Frost. Art of swimming.* 72p Gallaudet. 1818; and in *J. Lee. Expert English angler.* 14p London. The Author.

—Benjamin Franklin; illustrious pioneer in physical education: account of early experiments of Franklin's in the water, his theory of teaching and his recommendations that physical education be an integral part of a college education. [R. T. McKenzie] *J. Health & Phys. Educ.* Feb. 1936

Franklin, W. S. Bethlehem plan for swimming pools. Cambridge, Mass. The Author. 1918

Bethlehem plan swimming pool. *Am. Phys. Educ. Rev.* Feb. 1918

Clean swimming pool and a large ball field for every boy and girl. *School & Soc.* Nov. 1917

Swimming pool that scrubs itself. *Indep. Oct. 1916*

Swimming pools and the engineer. *Engin. & Contract.* Feb. 11, 1925

Franzmeyer, H. Pflege und Einrichtung von Schwimmgelegenheiten für unsere Jugend. *Gesundh. u. Erziehg.* Feb. 1937

Frase, H. B. Municipal natatorium for Des Moines, Iowa. *Am. City.* May 1919

Freeman, Henry William. Thermal baths of Bath: their history, literature, medical and surgical uses and effects, together with the Aix massage and natural vapour treatment. (map, plates, plans) 1888 379p Hamilton, Adams

Freeman, J. W. See Leahy, H. W. jt. auth.

Freeman, W. C. Place of physical therapy in a physical activity program. *J. Health & Phys. Educ.* Dec. 1933

Freer, J. Einiges über die Nasen- und Mundatmung. *Physiologisch-klinische Bemerkungen.* *Wien. klin. Wchnschr.* May 15, 1931

Freiberg, C. A. Saratoga mineral springs and baths. *J. Am. Assoc. Hyg. & Baths.* 12:31-36. 1929

Freitag, R. Neue Wege zur Wasserreinigung. Kristallklares, wohlsmackendes, einwandfreies Wasser durch Verwendung von Aktivkohle. *Med. Welt.* Jan. 18, 1936

French Life Saving. See Life Saving, French

Friedman, R. See Strickler, A. jt. auth.

Friedman, Samuel L. Public interest and confidence—how to build them. *Beach & Pool.* April 1932

Friend, G. E. Diet in relation to physical efficiency. *Brit. M. J.* Aug. 8, 1936

Friend, R. C. Some swimming pool problems. *Engin. & Contract.* Oct. 14, 1925

Frisby, B. Steam cost from fuel analysis. *Baths & Bath Engin.* April 1938
Water heating costs: brief notes on efficiencies, fuel, labour and maintenance costs. *Baths & Bath Engin.* Sept. 1937

Frith, Henry (ed). Dictionary of games and amusements. *Swimming,* p254-76. Ward, Lock. 1884

Fritz, E. J. Games for the swimming pool. *Phys. Train.* Nov. 1919

Frobosee, V. Chlorbedarf und bakterizide Wirkung des Chlors bei der Tunkwassersterilisation. *Arb. a. d. Reichsgesundhant.* 62:209-22. 1930

Frommel, E. See Naville, F. jt. auth.

Fronczak, F. E. Public baths and swimming pools. *Canad. Engin.* June 21, 1932

Swimming pool—its care and aims. *J. Am. Assoc. Hyg. & Baths.* April 1927; also *Beach & Pool.* Sept. 1927

Frost, J. Art of swimming; a series of practical instructions, an original and progressive plan, by which the art of swimming may be readily attained with every advantage of power in the water; accompanied with twelve copper-plate engravings, comprising twenty-six appropriate figures correctly exhibiting and elucidating the action and attitude in every branch of that invaluable art, to which is added, Dr. Franklin's treatise, also some anecdotes respecting swimming. 72p Gallaudet. 1818

Scientific swimming; being a series of practical instructions on an original and progressive plan, by which the art of swimming may be readily attained with every advantage of power in the water; accompanied with twelve copper-plate engravings, comprising twenty-six appropriate figures correctly exhibiting and elucidating the action and attitude in every branch of that invaluable art. 8s. 40p Darton. 1816

Frost, W. H. See U.S. Public Health Service, jt. auth.

Frostic, F. W. Sterilizing tank suits and towels is an important procedure. Nation's Schools. April 1934

Swimming pools require rigid sanitary treatment. Nation's Schools. Feb. 1934

Ft. Lauderdale Forum. See Forums, Ft. Lauderdale

Fuchs, B. and Bisom, W.. Das städtische Bad in Brunn. Monatsh. Bauk. May 1933

Fürst, K. Scientific investigations in athletic events. München. med. Wchnschr. June 4, 1926

Fuertes, J. H. Water filtration works. \$2.50 Wiley. 1901

Fujita, H. and Nagashige, Y. On pool conjunctivitis. Bull. Nav. M.A., Japan (abstract section). March 15, 1936

Fuller, G. W. Water supply and purification. Am. J. Pub. Health. April 1925

Fuller, T. E. Boy's holiday book. Swimming, p86-111. Tegg. 1865

Fundamentals for Swimmers. See Teaching, fundamentals

Funkquist, P. See Nordgren, G. jt. auth.

Fyfe, W. W. Automatic pumping and notes on water analysis. \$3 Lippincott. 1922

G

Gabel, C. E. Un estudio bacteriológico de los tanques de natación de Manila. Rev. filipina de med. y farm. 7:403-08. 1916

Gaenslen, F. J. Aids in muscle training, with special reference to sling suspension and underwater exercises. J. Am. Med. Assoc. March 23, 1935

Gage, S. DeM. Sanitary control of swimming pools. J. Boston Soc. Civil Engin. June 1918

Standards for pool design, construction and operation. Beach & Pool. Aug. 1927

—**Ferguson, Harry F.; and others.** Standards for design, construction, equipment and operation of swimming pools and other public bathing places. J. Am. Assoc. Hyg. & Baths. April 1927

—**and Griffin, A. E.** Sanitation of bath houses at public bathing beaches. Am. J. Pub. Health. Dec. 1921

—**committee chairman for 1930.** See American Public Health Association and the Conference of State Sanitary Engineers, Joint Committee on Bathing Places

—**See Clark, H. W. jt. auth.**

Gaining Public Interest in Pools. See Publicity, gaining public interest

Gallerani, G. Educazione fisica e sviluppo cerebrale e psichico. Riv. di sc. applicate all'educ. fis. e giovan. March-April 1931

Gallico, Paul. Mermaids and muscle molls. Cosmopol. July 1937

Galloway, B. T. Back-yard swimming pool. Country Life. Nov. 1905

Galloway, R. M. Public baths in relation to health and disease. J. Roy. San. Inst. July 1934

Galtero, Pedro G. Discurso en que se satisfaze a la duda de las conveniencias del uso del nadar. 22p Madrid, Spain. 1644

Games and Stunts. See Recreational Swimming, games and stunts; Recreational Swimming, games for beginners; Recreational Swimming, games for girls

Gantner & Mattern Company. Bath-house and beach management. Issued irregularly. Free. Gantner & Mattern Last ed. appeared about 1932. Swimming news. Free. Gantner & Mattern Issued irregularly, usually two or three times a year following aquatic events of national importance.

Gardiner, Edward Norman. Athletics of the ancient world. 246p Clarendon. 1930

Greek athletic sports and festivals: handbooks of archaeology and antiquities. \$2.50 533p Macmillan. 1910

Gardner, Edgar H. Small town pools. Notab. Swim. Pools. 1:96-97. 1933

Gartner, Paul W. First aid afield. (il) 115p Macmillan. 1934

Principles of life saving. Sportsman. June 1931

What would you do? (life saving). Field & Str. June-July 1932

Garver, Paul T. Recreation on a municipal lake. Recrea. July 1937

Gascoigne, T. Breathing and crawl swimming. Swim. Times. May 1935

Gates, C. Ray. Leisure activities survey of Grand Island, Nebraska, adults. Oct. 1936. Unpublished

Gauvain, H. Hastings popular lecture; sun, air and sea bathing in health and disease. *Brit. M. J. (Supp.)*. Feb. 25, 1933

Gedda, L.; De Mattia, G.; and Vigliani, E. Metabolismo dell'acqua e radiazioni attiniche. *Arch. per le sc. med.* Oct. 1931

Gee, Ernest Richard. Early American sporting books, 1734 to 1844: chronological list of early American sporting books. 61p Derrydale. 1928

Gegenbauer, V. Ueber die Methodik und die bisheregen Ergebnisse der Untersuchungen filtrierter und gechlorter Wässer von wiener Hallenschwimmbädern. *Wien. med. Wchnschr.* Dec. 13, 1930

Geishe, John. Swimming, diving, and life saving charts. Charts. 75c Berkeley A.R.C.

Geisow, Hans and Kaross, Ernst. Das Schwimmen. (plates) 79p Dieck. 1922

Gemmill, C. L. Effect of training on recovery period following severe muscular exercise. *Am. J. Physiol.* Feb. 1931

General Filtration Company. Filters. Gen. Filtrat. Co. 1917

General Sportcraft Company. Swimming. 80c Gen. Sportcraft Co.

General Utilities Manufacturing Company. See Spalding, A. G., and Brothers, jt. auth.

Génévrier, J. Les maladies des piscines. *J. de méd et chir. prat.* May 25, 1937

Genner, V. Bath pruritus and skin affections of kindred origin. *Acta dermat.-venereol.* June 1937

Prurigo and eczema caused by too frequent bathing. *Nord. med. tidskr.* Jan. 25, 1936

Georgia State Board of Health. Swimming pools and other public bathing places. 51p Georgia State Board Health. 1937

Gerard, Louise. Swimmer. 394p Mills & Boon. 1912

Gerhard, W. P. Modern baths and bath houses. \$3 Wiley. 1908

Progress of the public bath movement in the United States. Pa. 25c The Author. 1913

Public bath houses and swimming pools. (il) Am. City. Nov. 1914; Pa. 20c The Author. 1914

Sanitation of bath houses. 60c Comstock. 1922

Sanitation of the swimming pool. The Author

German Society for Public Baths

—German Society for Public Baths. J. Am Assoc. Hyg. & Baths. April 1927

Germany, Diving in. See Diving, in Germany

Germs in Pools. See Pools and Bathing Places, Sanitation of, germs in pools

Gethmon, M. Care and sanitation of swimming pools. *Phys. Train.* March 1926

Gette, O. J. Designing of public baths. *Architect. Forum* Sept. 1927

Gettler, A. O. Method for determination of death by drowning. *J. Am. Med. Assoc.* Nov. 19, 1921

Gettrust, J. S. See Ellms, Joseph Wilton, jt. auth.

Getz, Harry. Swimming in South Africa. *Swim. Times.* Aug. 1934

Gianni, G. Lo sviluppo infantile in relazione al nuoto. *Policlinico (sez. prat.)*. Feb. 5, 1934

Gianotte, M. See Chiatellino, A. jt. auth.

Gibb, R. J. Outdoor swimming pools. (il, tables, plan) *Parks & Recrea.* May 1925

Gibbard, J. Treatment of water with silver. *Am. City.* Oct. 1937

Gierson, A. M. M. Observations on the hygienic condition of public swimming baths. *J. Hyg.* April 1930

Giescke, F. E. Panel warming; panel heating a swimming pool. *Domest. Engin.* May 31, 1930

Gillan, J. M. Waterfront protection in Omaha, Nebraska. (il) *Am. City.* Dec. 1921

Gillespie, C. G. Chlorination of swimming pool water. *Municipal Engin.* 56: 231-32. 1919

Keeping swimming pools pure and wholesome. *Met. Work.* 90:553; 656; 709 and 91:86. 1919

Modern swimming pool sanitation. *Western City.* May 1933

Plans for enforcing swimming pool laws. *California State Dept. Pub. Health Bull.* May 1917

Studies in bacterial sampling and disinfecting of bathing suits and towels. *California State Dept. Pub. Health Bull.* Oct. 1919

Swimming pool regulations. *California State Dept. Pub. Health Bull.* March 1918

Gilman, R. L. Practical points in treatment of ringworm. *Med. J. & Rec.* May 3, 1933

—**Spring, D.; and Rea, M. H.** Ringworm of toes; second survey of students at University of Pennsylvania. *Pennsylvania M. J.* April 1933

Ginestous, E.; Marcard, R.; and Depierris, P. Les piscines municipales de la ville de Bordeaux. *J. de méd. de Bordeaux.* Sept. 4, 11, 1937

Ginns, H. N. Ideal swimming baths: layout and equipment. (il, diags) *Municipal Engin.* Oct. 18, 1934

Swimming bath design: some guiding considerations (il, plans) *Municipal Engin.* Oct. 19-26, 1933

Girl Scouts, Inc. Canoeing and waterfront hints for Girl Scout camp councils Free. Girl Scouts

Girl Scout camps: administration, minimum standards, waterfront safety. \$1 270p Girl Scouts. 1934

Life saver badge. *Section* (p53) from Girl Scout Program Revised 1938. 112p Girl Scouts. 1938

Life saving booklet. 15c Girl Scouts

Report of local Girl Scout camp committee on permanent camps. Free. Girl Scouts

Swimmer badge. *Section* (p51-2) from Girl Scout Program Revised 1938. 112p Girl Scouts. 1938

Swimming and life saving. *Chapter* (p347-65) from Girl Scout Handbook. 60c 575p Girl Scouts. 1933

—Program Division. Badges and awards of a Girl Scout local council. Girl Scouts. April 1930

Girls. See Women

Glace, J. M. Old swimming hole and the new. (il) Pennsylvania's Health. May 1929

Glass Enclosures for Pools. See Pools and Bathing Places, Construction of, glass enclosures

Glass, Marie Henze. Approach for the running dives. Water Sports (Supp). p22. 1934

Glazing for Pools. See Pools and Bathing Places, Construction of, glazing

Gleason, A. H. Swimming on the Atlantic Coast. Collier's. May 22, 1909

Glenny, L. E. Pool example for other towns is set by Kearney, Nebraska, in the latter's building of one of the Midwest's leading pools. (il, diag) Swim. Pool Data & Ref. Ann. 6:36-38. 1938

Glover, Harriet F. Application of the project procedure to swimming. School & Soc. June 18, 1932

Glynn, E. E. Observations on the micro-organisms in the water of public swimming baths. Pediat. 15:133-41

Goddard, C. I. Hygiene of public swimming baths. J. State Med. Aug. 1929

Goebel, O. Plötzlicher Tod beim Schwimmen. Deutsche med. Wchnschr. June 29, 1934

Goetter, B. S. Study of the recreational activities of employed women. Thesis. Univ. Pittsburgh. 1927

Goff, A. P. Cape Cod health unit enlarges scope of work. Nation's Health. July 1927

Goldsmith, F. Design for a swimming bath in reinforced concrete. Architect. Rev. April 1932

Goldstein, A. Theory and practice of swimming. Mind & Body. Dec. 1918

Good, Allene D. Water pageants and their use in educational programs. Thesis. Univ. Texas. 1937

Goodacre, E. J. Water-front improvements and water sports in an English borough. Am. City. May 1926

Goodman, Alice J. Water circus. Free. A.R.C.

Goodrich, B. Suburban swimming pool. Country Life. June 1917

Goor, D. Noothoven van. Beknopte Handleiding tot de Zwemkunst of de Kunst om in korten Tijd het Zwemmen en Duiken in alle Opzigt en volkomen Te Leeren (19 plates) 125p Brandenburg. 1826

Gordon, A. E. Concrete tank can minimize coaches' problems. Beach & Pool. Aug. 1936

Increase the efficiency of your pool paint. Beach & Pool. Nov. 1936

Gordon, Albert C. Importance of starts and turns: a talk delivered during the Third Annual Aquatic Forum, Fort Lauderdale, Fla. Beach & Pool. March 1938

Some observations on life-saving time trials. Beach & Pool. Jan. 1937

Gordon, Harvey A. and Bryan, R. H. Standard Boy Scout swimming pool. Beach & Pool. March 1937

Gorman, A. E. Progress in state regulations (swimming pools). J. Am. Assoc. Hyg. & Baths. April 1932

Goss, George Edward. Life saving. Thesis. Springfield Col. 1914; \$1 1916; \$1 75 152p Assoc. Press. 1918

Life saving methods. Free. A.R.C. 1925

Goss, Gertrude. Swimming analyzed. \$2 116p Barnes. 1935

Gotthardt, P. P. Herz und Sport. München. med. Wchnschr. July 5, 1929

Gould, B. S. See Horwood, Murray Philip, jt. auth.

Gould, W. L. Ringworm of the feet. J. Am. Med. Assoc. April and Oct. 1931; also Mind & Body. June 1931

Gourlay, R. S. Basic principles of water-front development. (il) Am. City. July 1914

Govaerts, A. L'effort physique dans la compétition sportive. Bruxelles-méd. June 14, 1936

Les variations tensionnelles et du pouls au cours de l'entraînement. Arch. méd. belges. March 1927

Graaff, Loren H. Experimental study of the respiration of side stroke and back stroke. Thesis. Univ. Iowa. 1931

—See Aycock, Thomas M. jt. auth.

Gradenwitz, G. Water sterilization. (il) Sc. Am. June 2, 1906

Gradle, H. S. Swimmer's conjunctivitis. Illinois M. J. Feb. 1916; also Ophth. July 1916

Graduation Tests. See Tests, for college graduation

Grady, Ben. Americans, Japanese, and swimming. J. Health & Phys. Educ. April 1934

Grafe, E. Die Grundsätze der Ernährung im Training und bei sportlichen Anstrengungen. Verhandl. d. Gesellsch. f. Verdauungs- u. Stoffwechselkr. (1936) 13:110-20. 1937

BIBLIOGRAPHY OF SWIMMING

Graham, Thomas John. Cold-water system: an essay, exhibiting the real merits, and most safe and effectual employment, of this excellent system in indigestion, costiveness, asthma, cough, consumption, rheumatism, gout, &c.; with cautionary remarks and some new cases. 2nd ed. 182p Simpkin, Marshall. 1843

Graham, W. C. Olympic Games highlights. (il, table) Scholastic. Sept. 19, 1936

Grandpierre, R. See Merklen, L. jt. auth.

Grant, M. R. Dead men made to live. (il) Pop. Mechan. Nov. 1933

Grant, Mrs. Paul S. Pool tent for little tots. Better Homes & G. Aug. 1935

Grassl. Zur Frage des Badetodes. München, med. Wchnschr. Sept. 9, 1932. *Comment* by Klotz: Oct. 14, 1932. *Comment* by Eiselsberg: Oct. 14, 1932

Graumann, A. Wasserentkeimung in Schwimmbädern. Umschau. Aug. 13, 1927

Graver Corporation. See Alexander, Becker and Schoepp, Inc. and Bacharach, E. W., and Company, jt. auth.

Gravity, Center of. See Floating; Floating, historical material; Floating, specific gravity; Teaching

Gray, Albert W. Back crawl stroke. Scholastic C. March 1936

Improve your swimming. Scholastic. Jan. 13, 1934

Schoolboy swimming sensation. Scholastic C. April 1937

Teaching advanced swimming. Scholastic C. Nov. 1933

Water stunts chart. Chart. 25c; sets of ten, \$2; large copy, \$1 Scholastic C. Bk. Shop. 1933

Graziadei, G. Osservazioni igieniche su una nuova piscina natatoria in Torino. Igiene mod. 18:353-60. 1925

Great Britain Board of Trade. Description of the rocket apparatus for saving life from shipwreck. 54p His Majesty's Stat. Off. 1927

Instructions as to the survey of life saving appliances. 210p His Majesty's Stat. Off. 1936

Merchant shipping: life-saving appliances. 20p His Majesty's Stat. Off. 1914

Reports on the life-saving service on the coasts of Great Britain and northern Ireland. His Majesty's Stat. Off. Issued irregularly.

—**Advisory Committee on Life-Saving Appliances.** Merchant shipping life-saving appliances. 16p His Majesty's Stat. Off. 1909

Merchant shipping—life-saving appliances and safety of life at sea. 175p His Majesty's Stat. Off. 1912

Report on life saving appliances, training and organisations. 52p His Majesty's Stat. Off. December, 1922, 1923

—**Committee on Boats and Davits.** Report of the departmental committee on boats and davits. 33p His Majesty's Stat. Off. 1913

Great Britain Ministry of Health. Purification of the water of swimming baths. 52p His Majesty's Stat. Off. 1929

Green, F. New method for teaching swimming. U. S. Nav. Inst. Proc. 37:865-70. 1911

Green, R. Save your own life! Veteran lifeguard tells vacationers how to avoid fatal accidents in the water. Sat. Eve. Post. June 27, 1936

Green, R. P. Wales and international swimming. Swim. Times. Aug. 1934

Welsh Amateur Swimming Association. Swim. Times. April 1936

Welsh notes. Appears monthly in Swim. Times

Welsh swimming. Swim. Times. May 1934

Greene, Arthur M. jr. Principles of heating, ventilating and air conditioning. \$4.50 446p Wiley; Chapman & Hall. 1936

Greene, M. M. Energy cost of track running and swimming. Thesis. Springfield Col. 1930

Greer, F. E. See Tonney, F. O. jt. auth.

Greer Filter Company. Water softening plants, gravity filters, pressure filters. 47p Greer Filter Co. 1904

Grewes. Study of the sanitary condition of the swimming pool at the Lincoln High School. Thesis. 18p Univ. Nebraska. 1918

Grierson, A. M. M. Observations on hygienic condition of public swimming baths. J. Hyg. April 1930

Griffin, A. E. Determination and estimation of residual chlorine. (bib) Am. J. Pub. Health. July 1936

Efficiency of the ammonia-chlorine process. J. Am. Water Works Assoc. Nov. 1934

—See Gage, S. DeM. jt. auth.

Griffin, Lillian Baynes. How to swim. Munsey's. July 1900

Griffiths, J. L. Committee member. See National Collegiate Athletic Association

Griffiths, L. L. See Bigger, J. W. jt. auth.

Griffiths, M. G. Bacteriological analysis of swimming pool waters. Thesis. Springfield Col. 1932

Grix, A. E. 1936 Olympic pool. Beach & Pool. Sept. 1935

Gross, Alfred A. Olympic diving charts. Charts. \$1 Montreal, Canada, 373 St. James St. The Author. 1932; rev. 1936

Gross, Howard. Tuley High School swimming test. Mind & Body. April 1926

Grosse, A. See Kaup, J. jt. auth.

Grosse-Brockhoff, F.; Schoedel, W.; and Springorum, W. Atmung und Gaswechsel im Anfangsstadium körperlicher Arbeit. Arch. f. d. ges. Physiol. 238:374-78. 1936

Ground-Water Control in Pools. See Pools and Bathing Places, Construction of, ground-water control

Group Instruction. See Mass Swimming; Recreational Swimming, programs; Teaching; Teaching, group instruction

Grünbauer, W. See Kirch, E. jt. auth.

Grünbaum, A. A. See Snapper, I. jt. auth.

Gschwind, O. Zürcher Hallenschwimmbad. Schweiz. Bauzeit. Feb. 27, 1926

Gsoell, Frederick L. Helpful hints for swimmers. (il) Pa. 25c 85p Hartford, Conn. The Author. 1933

Guarini, E. Sterilization of water. (il) Sc. Am. Sept. 2, 1905

Guernsey, Paul D. Program of physical education and a study of its carry-over effects. J. Health & Phys. Educ. June 1933

Guibillon, committee member. See Congrès International de Sauvetage, Paris, 1889

Guilford, J. P. See Vogeler, Rudolf F. jt. auth.

Guillemin, committee member. See Congrès International de Sauvetage, Paris, 1889

Guion, A. D. Plumbing-merits eighteen-hundred-year test; Roman baths at Bath, England. Domest. Engin. Sept. 29, 1928

Guiso, L. Igiene delle piscine ad acqua di mare e ad acqua dolce. Ann. di med. nav. e colon. Sept.-Oct. 1937

Gulick, Mrs. L. H. Mermaid: a series of photographs. Everybody's. Aug. 1914

Gullans, Oscar. See Spector, Bertha Kaplan, jt. auth.

Gurejew, T. T. Der Einfluss des Trainings auf die Zusammensetzung des Blutes. Arbeitsphysiol. 5:489-96. 1932

Gurr, Henry. Art of swimming with observations on the saving of life, sea bathing, training for swimming, etc. (The Champion Handbooks). 6d. 56p Darton & Hodge. 1866; Lea. 1868; Grapho. Co. 1872(?); Dean & Son. 1874(?)

Guts Muths, J. C. F. Kleines Lehrbuch der Schwimmkunst zum Selbstunterrichte. 124p Weimar, Germany. 1798

Turnbuch. Swimming, p242-71. Frankfurt, Germany. 1817

Guttmann, E. See Jokl, E. jt. auth.

Gutzk, J. Untersuchungen über respiratorischen Gaswechsel und Serumcalcium nach Seebädern. Balneologe Sept. 1936

Gwilt, Joseph (tr). Architecture of Marcus Vitruvius Pollio. Lockwood & Co. 1874

H

Habs, H. Lufthygienische Anforderungen an den Bau von Hallenschwimmbädern. Arch. f. Hyg. 104:358-66. 1930

Hacket, David R. Training and coaching champions. Beach & Pool. Oct. 1936

Hackler, H. W. See Ellison, G. jt. auth.

Häberlin, C. and Wyk, F. R. Reports on sea bathing and sea climates. Germany. Arch. M. Hydrol. Jan. 1933

Haertl, P. Einrichtung und Durchführung der unterwasser Bewegungsbehandlung in Warm Springs (Georgia, U.S.A.). Deutsche med. Wchnschr. March 13, 1936

Haggart, G. E. Conservative and surgical treatment of Plantar warts. Surg. Clin. N. Am. 14:1211-18. 1934

Haidinger, Wilhelm Karl, Ritter von. Erinnerung an den Schwimmunterricht. 10p Seidel. 1870

Hair Dryers. See Pools and Bathing Places, Equipment for

Hale, W. H. Public bath system of Brooklyn. Sc. Oct. 26, 1906

Hall, M. Dress reform (bathing suits). Commonweal. Oct. 19, 1932

Hall, Marshall. Prone and postural respiration in drowning and other forms of apnoea or suspended animation. 216p Churchill, John. 1857

Hall Method of Artificial Respiration. See Resuscitation, history and historical material

Halliburton, Richard. I swim the Hellespont. Asia. Aug. 1926

S.S. Richard Halliburton: swimming the Panama Canal from Colon to Panama. (il, map) Ladies' Home J. June 1929

Swimming the Hellespont on a can of sardines. Lit. Dig. June 12, 1926

Hallock, Elwyn R. One hundred games for beginners. Springfield Col. 1931

Hallowes, K. R. C. Place of sun-bathing, sea-bathing and open-air exercise in growth and development. Brit. J. Phys. Med. June 1935

Hamblen, Malinda. Study of the leisure-time activities of the women students of a teachers' college with specific reference to activities offered by W.A.A. Thesis. New York Univ. 1930

Hamburg Swimming Association. Jahresbericht des Verbandes Hamburger Schwimmvereine. Hamburg, Germany. 1897

Hamilton, C. Swimming for women and girls. Pa. 40c Scribner's. 1906; Rev. ed. 1s. 6d. Ath. Pub.

Hamilton, H. Double diving. Outing. Aug. 1918

How I teach swimming. Outing. July 1918

Hamilton, Margaret P. Teach yourself to swim. \$1.25 McLeod. 1935; \$1 Whitman. 1935; 75c Burt. 1936

Hamlin, E. J. Swimming baths in Johannesburg. Baths & Bath Engin. Aug. 1936

Hamon, committee member. See Congrès International de Sauvetage, Paris. 1889

BIBLIOGRAPHY OF SWIMMING

Hand Dryers. See Pools and Bathing Places, Equipment for

Handbooks. See Texts

Handicapping Competition in Diving. See Diving, handicapping

Handley, H. W. and Brandsten, Ernst M. Official rules for swimming, diving, and water polo. Free. Van Arsdale-Harris

Handley, L. de B. Alphabet of fancy diving. Outing. March 1915

Best swimming stroke. Country Life. Aug. 1910; also Outing. Aug. 1912

Breaststroke innovations. Swim. Times. May 1935

Channel beats most swimmers. Swim. Sept. 1925

Crawl and dorsal crawl. Free. 16p Ocean. 1930

Crawl, greatest of swimming strokes. Free. Ocean

Crawl stroke makes Junos. Lit. Dig. July 25, 1925

Crawl vs. breast stroke. Swim. Nov. 1924

Crawl vs. breast stroke again. Swim. Jan. 1925

Evolution of the latest swimming strokes. Mind & Body. June 1910

Feats of Medica and Degener: high lights of title gala. Swim. Times. May 1935

How to float. Outing. Aug. 1917

How to play water polo. Pa. 10c Am. Sports Pub. 1910

How to save the drowning. Outing. Aug. 1916

Latest word in the discussion on the relative merits of the Japanese and American strokes. Swim. Times. July 1935

Six-beat crawl stroke. Mind & Body. May 1923

Six-beat crawl stroke revolutionizes swimming. Am. Swimmer. March 1923

Sixteen records broken in South American swims. Swim. Times. June 1935

Speed swimming. Outing. Aug. 1906

Swim the crawl for efficiency. (il) St. Nichol. June 1927

Swimming and watermanship. (il) \$1 150p 1918; \$1 Macmillan. 1922. 1931

Swimming for speed. Outing. July 1913

Swimming for women. (Spalding's Athletic Library, No. 107R). 25c Am. Sports Pub. 1928

Swimming stroke of the future. Outing. April 1914

Swimming—the ideal exercise. Outing. Sept. 1914

United States outdoor championships. Swim. Times. Dec. 1937

Up-to-date methods for success in swimming. St. Nichol. Aug. 1913

Water soccer, the coming game. Outing. March 1913

Women's swimming. Beach & Pool. Nov. 1937

— and Howcroft, W. J. Crawlstroke swimming. 2s. 6d. Larby. 1929

— and Meehan, E. U. Teaching women to swim. Outing. Jan. 1917

— See Daniels, Charles M. jt. auth.

Handover, A. C. P. Aids during resuscitation. Swim. Times. Feb. 1935

Hanger, G. W. W. Public baths in the United States. Pa. \$1 Gov. Printing Off. Sept. 1904

Hanley, G. Telegraphic athletic meets. Sportswoman. April 1925

Hannagan, Steve. "Swim," said the doctors, and Johnny swam. (il) Lit. Dig. July 4, 1931

Hanns, A. Le cœur forcé. Clinique, Paris. June (B) 1936

Hans, H. Kritisches und Neues zur Belebung nach Wasserrettung. Ztschr. f. ärztl. Fortbild. June 1, 1934

Ein neues, sehr einfaches und doch sehr wirksames Verfahren zur künstlichen Beatmung. Med. Welt. Aug. 11, 1934

Hansen, A. E. Y.M.C.A. swimming pool equipment. Architect. Forum. Aug. 1930

Hansen, O. See Nielsen, M. jt. auth.

Hansen, R. A. See Hawkins, J. A. jt. auth.

Hansen, Svend. Manual, artificial respiration. Ugesk. f. læger. Jan. 17, 1929

Hanser, A. Health tanks at Cunningham Sanitarium. Heat & Ventil. Jan. 1929

Hansson, K. G. Hydrogymnastics in infantile paralysis. Arch. Phys. Therapy. Sept. 1931

Happiness. See Values, happiness

Harberd, H. E. Complete guide to the art of swimming. 12p London, Red Lion Court, Fleet St. The Author. 1872

Harbott, Richard. Olympia und die Olympischen Spiele von 776 v. Chr. bis heute. 237p Limpert. 1935

Harder, V. J. Sterilization of swimming pools. J. Am. Assoc. Hyg. & Baths. Sept. 1929

Hardidge, P. H. Baths, baths and still more baths. Swim. Times. July 1934

Water polo roughness: some causes, effects and remedies. Swim. Times. Oct. 1934

Water polo roughness: widespread interest and suggestions. Swim. Times. Dec. 1934

Harding, A. Are you afraid of the water? Am. Aug. 1922

What one man learned from a terrible experience. Am. March 1923

Harding, Louis Allen. Heating and air conditioning manual. 276p Buffalo, N.Y. The Author. 1935

— and Willard, Arthur Cutts. Heating, ventilating and air conditioning. 2nd ed. rev. 963p Wiley; Chapman & Hall. 1932

Harding, P. N. committee member. See U.S. Bureau of Mines, Committee on Oil Pollution

—See Lane, F. W. jt. auth.

Harding, W. W. Two concrete swimming pools; construction details. Am. Land. Architect. May 1931

Harlan, H. History of Olympic Games, ancient and modern. 1st ed. 25c Sports Res. Bur. 1931. 2nd ed. \$1 Topango, Calif. The Author. 1932

Harman, Charles E. Life saving on the Florida coast. Beach & Pool. March 1938

Harold, C. H. H. Rôle of ammonia in purification of water. J. Roy. San. Inst. March 1928

Harral, J. C. See Jaffe, F. W. M. jt. auth.

Harrington, J. B. Indoor and outdoor swimming pools in West Virginia, practical hints on pool design and operation. West Virginia State Dept. Health Quart. Bull. April 1927

Harrington, M. Don't do your strutting in the water! Interview with Nita Sheffield. (il) Am. July 1929

Harrington, Ralph (pseud). See Thomas, Ralph Harrington

Harris, H. L. Sodium chloride. J. Am. Med. Assoc. May 1920

Harris, Irene. Officiating for high school swimming meets. Service Bull. Dec. 1937

Harris, T. J. Large modern swimming pool, a gift to Wood River, Illinois. Am. City. Feb. 1927

Harris, William H. Swimming at a summer camp: recreation, health, safety. Am. Swimmer. May 1922

Harrison, G. L. Public Baths Association of Philadelphia. Nation's Health. June 1921

Harrison, P. T. Finchley swimming pools, Great Britain. (tables) J. Roy. San. Inst. Feb. 1935

Harrison, R. C. Ringworm in public schools. Beach & Pool. Oct. 1931

Hartelius, T. J. Home gymnastics for the preservation and restoration of health in children and young and old people of both sexes. With a short method of acquiring the art of swimming. Swimming, p80-94. Lippincott. 1883 Translated and adapted from the Swedish original by special permission of the author by C. Löfving.

Hartman, Frank E. Purification of water for swimming pools. 20p Scottsdale, Pa. The Author. 1921

Purification of water with special reference to swimming pools. (il) Am. School Board J. May-July 1928

Use of ozone for bathing places. J. Am. Assoc. Hyg. & Baths. Sept. 1929

Hartshorne, Henry. Water versus hydrotherapy; or, An essay on water, and its true relations to medicine. L. P. Smith. 1847

Hartwig, George Ludwig. Practical treatise on sea-bathing and sea-air. 148p Highley. 1853

Harvey, L. S. Sinusitis as related to swimming and diving. Springfield Col. 1931

Hasbrouck, M. F. Outdoor swimming pools for clubs. Architect. Forum. March 1930

Haskin, F. J. (comp) Swimming. 10c 31p Haskin. 1935

Hasselt, A. W. M. De Kunstmatige ademhaling tot herstelling van schijndoodden. Utrecht, Holland. 1847

Hasseltine, Herman E. Bacteriological examination of water. 10p Gov. Printing Off. 1917

Hastie, Elizabeth H. Swimming for women in colleges and universities. Aquat. p17-20. 1931-32

Hastings, W. W. Natatorium instruction and supervision. Hyg. & Phys. Educ. June 1909

Hasty, F. E. Otitis media and swimming. Tr. Am. Laryng., Rhin. & Otol. Soc. 33:246-54. 1927

Paranasal sinus infection and swimming. J. Am. Med. Assoc. Aug. 13, 1927

Work in researches relative to swimming and its effect upon the sinuses. Nashville, Tenn. The Author. Unpublished

Hatch, B. G. Buoyant hollow aquaplane costs little to build. (il, diags) Pop. Sc. Aug. 1936

Hatch, W. Brockton's swimming beach. Playground. Oct. 1921

Hatcher, M. P. Essential factors in design of swimming pools. (il) Municipal Sanit. July 1931

Hatschek, E. Early experiments on ultrafiltration. Nature Mag. Oct. 8, 1927

Hawes, W. See Fothergill, A. jt. auth.

Hawkins, C. C. Effects of training in swimming upon the morphological composition of the blood. Thesis. Springfield Col. 1932. *Abstract Res. Quart. (Supp.)* May 1935

Hawley, S. How to learn. Country Life. Aug. 1906

Hay, Harry. Swimming and surfing. 2d. 14p Jantzen (Australia). 1931

Hayes, H. O. Successful life saving. Rev. of Rev. March 1936

Haynes, Wilma D. After college what? Res. Quart. March 1931

Hazards of Water Polo. See Polo, hazards

Health Department Supervision. See Pools and Bathing Places, Operation of, health department supervision

Health Factors, History of. See Diseases, history and historical material; Spas, history and historical material

Health Values. See Values, health

Heap, Robert. Teaching the breast stroke, an entirely new method. Am. Phys. Educ. Rev. Oct. 1929

Heart. See Coaching, training; Corrective Swimming, for cardiovascular disorders; Diseases, heart; Drowning, causes of; Physiological Aspects; Physiological Aspects, heart; Spas; Thalassotherapy

BIBLIOGRAPHY OF SWIMMING

Heat Method of Artificial Respiration. See Resuscitation, history and historical material

Heath, R. F. Chlorination of swimming pool water. (bib) *Canad. Engin.* Aug. 28, 1928

Construction and equipment in relation to the operation of swimming pools. (il) *Canad. Pub. Health J.* April 1936

Operation of indoor swimming pools, Toronto, Canada. *Canad. Engin.* April 20, 1926

Operation of swimming pools. *Canad. Pub. Health J.* March 1933

Swimming pools operating in Toronto. *Canad. Engin.* Aug. 27, 1929

Heating Pool Buildings and Water. See Pool Buildings and Water, Heating of

Hebb, R. G. See Ferrier, D. jt. auth.

Hébert, Georges. *Ma leçon-type de natation.* 154p *Vuibert.* 1914

Hechmer, C. A. Can a public pool be safe? (il, plan) *Municipal Sanit.* March 1930

Control of swimming pools. *Municipal Sanit.* April-May 1934

Swimming pools and water distribution systems. *J. Am. Water Works Assoc.* Aug. 1931

Heck, E. L. Swimming in Walter Reed Military Hospital. *Mod. Hosp.* Sept. 1919

Héderer, C. *La respiration artificielle. Étude critique et expérimentale.* Bull. Acad. de méd. Paris. June 19, 1934; also *Bruxelles-méd.* Aug. 26, 1934; also *Arch. de méd. et pharm. nav.* Oct.-Dec. 1934

Sur une nouvelle manœuvre de respiration artificielle combinée avec la méthode de Schaefer pour en corriger les défauts et en augmenter la valeur physiologique. *Bull. Acad. de méd. Paris.* May 14, 1935

Technique de la méthode de Schaefer avec manœuvre inspiratoire de Héderer. *Bull. Acad. de méd. Paris.* July 30, 1935

Hedges, Sid G. Book of swimming and diving. 2s. 6d. *Hutchinson.* 1927. 1931

Boys' and girls' swim book. 3s. 6d. *Methuen*

How to swim crawl. 2s. 6d. 104p *Methuen.* 1932

How to teach swimming. (il) 2s. 6d. 87p *Methuen.* 1935

How well do you swim? (il) 3s. 6d. 127p *Methuen.* 1937

Jimmie Blount, swimmer. *Swim. Times.* Dec. 1933

Learn to swim. *Methuen*

Modern swimming. 35c *McClelland; Pa. 1s. Cassell.* 1935. 1936

Modern swimming and diving. 2s. 6d. 134p *Link House.* 1929

Swim book. 3s. 6d. 118p *Methuen.* 1934

Swimming. (il) 1s. 6d. *Pearson.* 1930; Pa. 3d. *Evans.* 1932

Swimming and diving. 1s. 6d. *Pearson.*

Swimming and watermanship. (il) 12s. 6d. 291p *Hutchinson.* 1933

Swimming, diving, and life-saving. 2s. 6d. *Warne.* 1928. 1931

Swimming—how to succeed. 3d. *Methuen.* 1932

Swimming in literature. *Chamber's J.* Aug. 1933

Swimming in twelve lessons. 1s. 74p *Ath. Pub.*

Swimming pool games. *St. Nichol.* Aug. 1933

Hedquist, P. Public bath of Eskilstuna. *Architect. Forum.* Dec. 1933

Heilmann. Wasserreinigung mit Elektrizität. *Gesundh.-Ing.* March 2, 1929

Heintz, Carl. Unterricht in der Schwimmkunst nebst einem Heft Abbildungen. *Strauss.* 1816

Heintz, A. How the fishes learned to swim. (il) *Smithsonian.* 1934
Price varies; free to libraries.

Heinz, E. A. Clothes checking systems. *Beach & Pool.* May and July 1929

Water play. *Beach & Pool.* March 1929

Heiser, V. G. Midsummer sanity. (il) *Collier's.* June 20, 1936

Heiss, F. Leibesübungen für Körperbehinderte als Mittel neuzzeitlicher Erziehung. *Med. Klin.* July 17-24, 1936

Sportärztliche Erfahrungen bei Körperbehinderten. *Ztschr. f. Krüppelfürsorge.* July-Aug. 1937

Heitan, H. Doping im Sport. *Med Welt.* Feb. 14, 1931

Zur Therapie des Uebertrainings. *Fortschr. d. Med.* April 29, 1932

Hellebrandt, Frances A.; Baernstein, H. D.; and Hooper, S. L. Studies in influence of exercise on digestive work of stomach; its relation to physico-chemical changes in blood. *Am. J. Physiol.* Feb. 1934

—**Brogdon, Elizabeth; and Kelso, L. E. A.** Studies on albuminuria following exercise; its relationship to speed of doing work. *Am. J. Physiol.* July 1932

—**and Hooper, S. L.** Studies in influence of exercise on digestive work of stomach; its effect on secretory cycle. *Am. J. Physiol.* Feb. 1934

—**and Miles, M. M.** Effect of muscular work and competition on gastric acidity. *Am. J. Physiol.* Oct. 1932

—**and Tepper, R. H.** Studies on influence of exercise on digestive work of stomach; its effect on emptying time. *Am. J. Physiol.* Feb. 1934

—**See Brogdon, Elizabeth; Rork, Rozelle** jt. auth.

Hellespont. See Distance Swimming, Hellespont

Hellich, I. Künstliche Atmung mit dem "Biomotor." München. med. Wchnschr. March 14, 1935

Tritt bei künstlicher Atmung mit dem "Biomotor" Hypervintilation ein? Med. Klin. June 14, 1935

Hellige-Klett Company, Inc. Constant color. Free. Hellige-Klett

Heilmrich, Dudley. How to swim correctly. Caxton.

Helsten, Eric A. Worth knowing: saves life: the Helsten method: the most wonderful discovery of the age: how to make a drowning person buoyant and save life. 11p Copenhaver. 1896

Helsten Method of Artificial Respiration. See Resuscitation, history and historical material

Henderson, Andrew. Seventeen years' experience of the treatment of disease by means of water. 418p Renshaw. 1859

Henderson, J. C. Elementary swimming instruction in wading pools. Play-ground. Oct. 1929

Henderson, V. Schäfer method superior to mechanical resuscitation. J. Am. Med. Assoc. Oct. 1, 1921

Henderson, Y. Resuscitation. J. Am. Med. Assoc. Sept. 8-15, 1934

Resuscitation with carbon dioxide. (bib) Sc. (new series) May 1, 1936

Hendricks, George F. Recreation for rural communities. J. Health & Phys. Educ. Oct. 1936

Henry, W. Advancement of swimming; need for national training college. Swim. Jan. 1918

Diving as a fine art. Pearson's Mag. July 1900; also Chicago Trib. July 22, 1900

Modern methods of training—breathing exercises for all swimmers. Swim. April 1917

—(ed). Swimming magazine. Appeared from June, 1898, through May, 1899. London

—See Jarvis, J. A.; Sinclair, Archibald, jt. auth.

Henze, Marie. Additional stunts for exhibition. Aquat. p32-3. 1931-32

Herbert, J. Back stroke swimming. Am. Phys. Educ. Rev. Dec. 1925; also Mind & Body. March 1926

Breast stroke swimming. Am. Phys. Educ. Rev. Sept. 1925; also Mind & Body. March 1926

Herbert, P. W. A. European swimming championships 1938. Swim. Times. Oct. 1937

Foundations of modern springboard diving. (il) Series in Swimming Times. 1934-36; reprint 1s. 36p Swim. Times. 1936; commentary on article which appeared in issue of June 1934. Swim. Times. July 1934

Foundations of modern springboard diving. Swim. Times. Dec. 1933

—and Tomalin, C. D. Foundations of modern springboard diving. Swim. Times. Dec. 1934

Herford. Zur Frage der Schwimmbad-Conjunctivitis. Ztschr. f. Med.-Beamte. Jan. 1, 1927

Hermann, Ernst. Physical education and physical therapy—past and present. J. Health & Phys. Educ. June 1937

Hernlund, V. F. (ed). See Chicago Park District

Heroism in Life Saving. See Life Saving, heroism

Herschorn, H. E. See Leigh-Wood, James, jt. auth.

Herxheimer, H. Beiträge zur Entstehung des Trainingszustandes. (charts) Ztschr. f. klin. Med. 103:722-66. 1926. Abstract J. Am. Med. Assoc. Nov. 13, 1926

Die Herzgrösse der Amsterdamer Olympiadeteilnehmer. Klin. Wchnschr. Feb. 26, 1929

Zur Frage der "Sportkrankheit" Bemerkungen zu dem Aufsatz von Jokl. Klin. Wchnschr. Oct. 26, 1935

Zur Physiologie der maximalen Muskelarbeit. Ztschr. f. d. ges. phys. Therap. 44:55-68. 1933

Herzum, A. Bedeutung häufiger Herzformen bei jüngdlichen Sporttreibenden. Deutsche med. Wchnschr. (Festschr. d. Sportärztesch., XI Olympischen Spielen). p28-31. 1936

Heubner, N. Die Kölner Epidemie von Bad-Conjunctivitis. Med. Klin. March 6, 1921

Heuchling, Fred G. History of the Chicago Park District. Beach & Pool. Aug. 1937

Heupke, W. Ernährung und Sport. Verhandl. d. deutsch. Gesellsch. f. inn. Med., Kong. 49, p127-8. 1937

—and Metzner, A. Die Ernährung hervorragender Sportsleute. München. med. Wchnschr. May 13, 1938

Hewitt, A. Coast patrol. (il) Outlook. March 4, 1905

Hewitt, Jack E. Layout and construction of 46 high school and college swimming pools on the Pacific Coast. Thesis. Univ. Oregon. 1931

—and Callaway, E. C. Alkali reserve of blood in relation to swimming performance. Res. Quart. March 1936

Hicks, Betty. See Smith, Marian G. jt. auth.

Hicks, D. D. High-school pool that serves the general public as well as the students. (il) Am. City. Oct. 1929

Hicks, J. A. B.; Pulvertaft, R. J.; and Chopping, F. R. Observations on examination of swimming pools. Brit. M. J. Sept. 30, 1933

Higgins, J. A. Modified portable artificial respiration outfit. J. Lab. & Clin. Med. Sept. 1919

High, Stanley. Y.M.C.A. builds good will home in Jerusalem. Beach & Pool. Oct.-Nov. 1934

High Diving. See Diving, high

Highgate Diving Club
—European tour, June, 1935. [P. H. Beveridge] *Swim. Times*. Aug. 1935

Hilgers, W. E. Neuere Chlorpräparate zur Trinkwasserdesinfektion. *Gesundh.-Ing.* March 24, 1928

Hill, F. T. Otologic complications from swimming in summer camps; attempt at prevention. *Ann. Otol., Rhin. & Laryng.* June 1929

Hill, N. G. Prevention of ringworm. *J. State Med.* May 1928

Hillebrand, H. Zwei seltene Fälle von Sportverletzungen. *München. med. Wchnschr.* April 6, 1928

Himebaugh, L. C. See Pease, H. D. jt. auth.

Himmel, Johann. Braumüller's Militärische Taschenbücher: Schule der Schwimmkunst. 152p Vienna, Austria, and Leipzig, Germany. 1895

Himwich, H. E. and Barr, D. P. Studies in physiology of muscular exercise; oxygen relationships in arterial blood. (chart) *J. Biol. Chem.* Sept. 1923

Hinchcliff, K. H. Woman's gymnasium for Kansas State College. Thesis. Kansas State Col. 1934

Hines, Frank Harrington. Bath expedients and experiences. *J. Am. Assoc. Hyg. & Baths.* 4:58-63. 1922

Reflections and experiences in conduct of public baths in borough of Manhattan. *J. Am. Assoc. Hyg. & Baths.* April 1924

Up-to-date floating baths. *Am. Phys. Educ. Rev.* Feb. 1917; *reprint* 7p Boston, Mass. 1917 (?)

Hinman, Guy. Swimmer's cramp—its causes and how it may be avoided. *Sc. Am.* Nov. 1921

Hinman, Jack J. jr. Care and design of modern swimming pools. *Beach & Pool.* June 1927

Design of swimming pools as to operation and sanitation. *Municipal & County Engin.* Feb. 1924; *also Am. City.* April 1924; *also Playground.* Nov.-Dec. 1924

Hygiene of swimming. *J. Am. Med. Assoc.* Sept. 1925

Necessity for continual inspection of water of swimming pools. *Swim.* June 1925

Safeguarding health of bathers in swimming pools. *Red Cross Cou.* June 1, 1925

Sanitation of swimming pools. *Iowa Pub. Health Bull.* Jan.-March 1936

Swimming pool. *Am. Phys. Educ. Rev.* Dec. 1920

Swimming pool and its operation. *Am. City.* April 1918

Swimming pool and its sanitation. *Iowa Pub. Health Bull.* Oct. 1925

Swimming pool care and design. *Domest. Engin.* June 27, 1925

Swimming pool operation. *J. Am. Water Works Assoc.* March 1917

Swimming pools. *Am. Municip.* Aug. 1927

Hinsdale, Guy. Accidents in bathing. *J. Am. Med. Assoc.* May 11, 1929; *also Mind & Body.* Nov. 1929

Beneficial effects of swimming. *Med. J. & Rec.* Aug. 20, 1930

Sea bathing. *Hygeia.* June 1926

Survey of the actual value of hydrotherapy. *J. Am. Med. Assoc.* Aug. 13, 1927

Hintgen, L. N. Sioux City, Iowa, has modern swimming pools. *Beach & Pool.* July 1927

Swimming pools in Sioux City, Iowa. *Parks & Recrea.* March 1927

Hirst, R. V. See Wright, J. W. jt. auth.

Hirst, S. T. National centralised championships. *Swim. Times.* May 1936

Hiscock, T. V. What is an adequate health program? *New England J. Med.* Dec. 20, 1934

History
See also Drowning, historical material; Floating, historical material; Legal Aspects, historical material; Military Use, historical material; Physiological Aspects, historical material; Records; Surf Swimming, historical material; Teaching, historical material; Texts —advancement of swimming: need for national training college. [W. Henry] *Swim.* Jan. 1918

—all sports record book. [Frank A. Menke, ed] \$2 *All Sports Rec. Bk.* Annual since 1930
Deals with approximately ninety sports, tracing the history of each.

—American sports (1785-1835). [Jennie Holliman] Thesis. Columbia Univ.; 222p Seeman. 1931

—athletics for today; including history, development and training. [Frederick A. M. Webster] \$5 368p Warne. 1929

—athletics of today for women; including history, development and training. [Frederick A. M. Webster] 10s. 6d. \$4.50 278p Warne. 1930

—bathing and swimming a religious observance. *Swim.* June 1917

—Benjamin Franklin; illustrious pioneer in physical education: account of early experiments of Franklin's in the water, his theory of teaching and his recommendations that physical education be an integral part of a college education. [R. T. McKenzie] *J. Health & Phys. Educ.* Feb. 1936

—brief history of physical education. [Emmet A. Rice] 288p Barnes. 1930

—brief history of the development of swimming. [J. W. McVicar] *Res. Quart.* March 1936

—diving into the past. [R. T. Serrano] *Swim. Times.* Feb. 1937

—early American sporting books, 1734 to 1844; a few brief notes (with portraits and facsimiles). [Ernest Richard Gee] 61p Derrydale. 1928

- English in the Middle Ages; from the Norman usurpation to the days of the Stuarts: their mode of life, dress, arms, occupations, and amusements. [J. Frederick Hodgetts] 210p Whit- ing. 1885
- four centuries of sport in America. 1490-1890. (il) [Herbert Manchester] 245p Derrydale. 1931
- guide to the history of physical education. [F. E. Leonard] \$4 Lea & Febiger. 1923. 1927
- history and development of swimming. [Judy Lester] Thesis. Peabody Col. 1932
- history and development of water play. [Zilpha Willson] Thesis. Peabody Col.
- history of certain sports as a part of general school education. *Section on Swimming*. [Julia D. Pennington] Thesis. Ohio State Univ. 1930
- old sporting prints. [Ralph Henry Nevill] Connoisseur. Extra number. 82p incl. col. front., 8pl. 35 col. pl. 1908
- popular sports: their origin and development. [Frank Dudley Collins] 63p Rand McNally. 1935
Published in 1933 under title, *Sports in a Nut-shell*.
- swimming: a radio interview. [Hope Tisdale] Intersch. Swim. Coaches' Assoc. Am., Bull. March 1937; also J. Health & Phys. Educ. May 1937
- swimming in literature. [Sid G. Hedges] Chambers's J. Aug. 1933
- swimming: its value, history and a study of some present methods and programs. [Dorothy J. Dodge] Term paper for Miss Trilling's seminar. University of Wisconsin. Summer, 1932. Unpublished
- swimming through literature. [Elbridge Colby] Bookman. Aug. 1926
- year's sport: a review of British sports and pastimes for the year 1885. (The Badminton Library. Alfred E. T. Watson, ed). 845p Longmans. 1885
Swimming, an account of the year's races, p470-4.
- zur Geschichte der Schwimmkunst und des Badewesens (history of the art of swimming and of bathing behavior). [Hans Brendicke] 46p Hof. Grau & Cie. 1885
- ANCIENT. See also Water Purification, history
- antike Schwimmkunst (ancient art of swimming). [Erwin Mehl] Heimerau. 1927
- athletics and games of the ancient Greeks. [E. M. Plummer] 61p Cambridge, Mass. 1898
- athletics of the ancient world. [Edward Norman Gardiner] 246p Clarendon. 1930
- concise history of bathing, as practised by nations of the ancient and modern world. [Horatio Mahomed] 80p Smith, Elder. 1843
- description of bathing in ancient and modern times. [John Bell] 658p Barrington & Haswell. 1850
- discorso del S. Gvglielmo Chovl . . . sopra la castrametatione & bagni antichi de i Greci & Romani. Nouamente reuisto & ricorretto dall' istesso auttore. Con l'aggiunta della figura del Campo Romano (discourse by S. Gvglielmo Chovl . . . concerning encampments and ancient baths of the Greeks and Romans). [Guillaume Du Choull] 80p Appres. Marc' Antonio Olmo. 1558
- Greek athletic sports and festivals: handbooks of archaeology and antiquities. [Edward Norman Gardiner] \$2.50 533p Macmillan. 1910
- Greeks used modern swimming stroke. [Jane Stafford] Sc. News Letter. Nov. 10, 1928
- Minoan-Mycenaean background of Greek athletics. [William Robbins Ridg- ton] Thesis. Univ. Pennsylvania. 1935; also 94p Philadelphia, Pa. The Author. 1935
- science of swimming as taught and practised in civilized and savage countries. [Sidney Howard] New York City. The Author. 1849
- swimming among the Greeks and barbarians. [H. N. Couch] Classical J. May 1934
- swimming among the Greeks and Romans. [H. A. Sanders] Classical J. June 1925
- swimming; how, when and where to swim: its progress and place in American sports . . . some of America's great bathing beaches: ancient history of swimming. [Thomas Jerome Riley] 1st ed. \$1 114p Blumenberg. 1903
- swimming in nature and prehistoric people. [George Buschan] 6:27-28. Arch. f. d. Gesch. d. Natur. 1913
- swimming-stroke of the ancients. (il) [James E. Dunlap] Art & Archeol. July 1928
- wonders of the little world: wonderful things the ancients did in swimming and diving. [Nathaniel Wanley] 1678
- BIBLICAL REFERENCES. See Biblical References
- OF CHICAGO PARK DISTRICT. [Fred G. Heuchling] Beach & Pool. Aug. 1937
- OF CONSTRUCTION. See Pools and Bathing Places, Construction of, history and historical material
- OF DISEASES, TREATMENT. See Diseases, history and historical material
- OF DIVING. See Diving, historical material; History
- OF HEALTH FACTORS. See Diseases, history and historical material; Physiological Aspects, historical material; Spas, history and historical material
- OF INTERCOLLEGIATE SWIMMING. See Meets, history of intercollegiate swimming

History—Continued

OF LIFE SAVING. See Life Saving, history and historical material

OF OLYMPICS. See Olympics, history

OF POLO. See Polo, history and historical material

OF POOLS AND BATHING PLACES. See Pools and Bathing Places, history and historical material

OF RESUSCITATION. See Resuscitation, history and historical material

OF SANITATION. See Pools and Bathing Places, Sanitation of, history

OF SPAS. See Spas, history and historical material

OF STROKES. See Strokes, history and historical material

OF WATER PURIFICATION. See Water Purification, history

Hitchcock, B. S. See Osborne, E. D. jt. auth.

Hitchings, F. W. Resuscitation from drowning. *J. Am. Med. Assoc.* Nov. 23, 1912

Hjelte, George. California decathlon tests and their relation to educational tests and measurements. *Am. Phys. Educ. Rev.* Jan. 1922

For more beaches in public ownership. *Am. City.* Feb. 1936

—and Nicholls, C. P. L. Los Angeles municipal lifeguard service. *Beach & Pool.* July-Aug. 1936

Hoar, F. B. Fancy diving. *Camping.* Feb. 1935

Fancy diving as a fine art. *J. Health & Phys. Educ.* May 1931

Hobden, F. W. Art of springboard diving. 10s. 6d. 229p Putnam. 1937

Hochrein, M. Kreislauf und Sport. *Med. Welt.* Jan. 26 and Feb. 2, 1935

Sport und Kreislauf. *München. med. Wchnschr.* Dec. 11, 1936

Hoderlein, Max von. Handbuch der Schwimmlehre. 54p Würzburg, Germany. 1832

Hodgetts, J. Frederick. English in the Middle Ages; from the Norman usurpation to the days of the Stuarts: their mode of life, dress, arms, occupations, and amusements. 210p Whitling. 1885

Hodgson, John. Come to Blackpool: an appeal to swimmers to back their festival. *Swim. Times.* June 1935

Inviting Europe to Wembley in 1938. *Swim. Times.* Dec. 1937

Tightening the reins: first method of dealing with water polo offences. *Swim. Times.* Oct. 1935

Hoerger, Mary

—adult efforts swamped by 11-year-old Mary's splash. (il) *News. Wk.* July 1935

—America's eleven-year-old diving champion: Mary Hoerger. [Pete Desjardins] *Swim. Times.* Oct. 1935

—child diver. *Swim. Times.* Oct. 1934

—sand-pit to championship; Mary Hoerger, eleven, takes A.A.U. diving-title. (il) *Lit. Dig.* July 27, 1935

—they come up swimming; interviews with W. Cooling and Mrs. F. Hoerger. (il) [Quentin Reynolds] *Collier's* June 1935

Hoerning, L. More teaching of swimming. *Mind & Body.* June 1924

Hoffman, C. L. Die Kunst, in 24 Stunden ein geschickter Schwimmer zu werden. 35p Hamburg, Germany. 1836

Hoffman, Louis (ed.) See Forrest, George

Hoffmann, A. See Jaensch, W. jt. auth.

Hoffmann, P. G. See Breitmeyer, Arno and Baeumler, Alfred, jt. auth.

Hoffmann, S. Zur Beurteilung der bakteriologischen Beschaffenheit von Badewässern künstlich erstellter Freibäder. *Arch. f. Hyg.* June 1937

Hofmann, E. Lehrbuch des Wasserballspiels. Koehler & Volckmar. 1936

Hogg, Richard M. Some observations on heating an open-air pool. *Swim. Pool Data & Ref. Ann.* 5:66-68. 1937

Holbein, Montague A. Swimming. (il) 1s. 115p Pearson. 1903

Holdredge, L. I. Salt water pool. Notab. *Swim. Pools.* 1:91-92. 1933

Sanitary supervision of a group of outdoor pools. *Swim. Pool World.* March 1932

Sediment remover and its application. *Swim. Pool World.* March 1932

Swimming pool control. *Beach & Pool.* Feb. 1934

Holland, C. See Sinclair, Archibald, jt. auth.

Holland, Financing Pools in. See Pools and Bathing Places, Financial Aspects of, in Holland and Panama

Holland, Rupert Sargent. Rescue. (il) 335p Macrae Smith. 1932

Holland, Sydney. Swimming and life saving. *Badminton Mag.* July 1896

Holliman, Jennie. American sports (1785-1835). Ph.D. Thesis. Columbia Univ.; also 222p Seeman. 1931

Hollingworth, J. H. Designation of baths attendants as domestic servants for unemployment insurance purposes. *Baths & Bath Engin.* May 1937

Holm, Eleanor

—come on in: interview with Eleanor Holm. (il) [E. Dickson] *Collier's*. July 16, 1932

Holm, Herbert D. Report of manager of women's swimming committee. *Section* (p277-8) from Report of the American Olympic Committee. \$2 491p Am. Olympic Comm. 1936

Swimming—women. *Beach & Pool.* Jan. 1936

Holmes, William J. Olympic diving chart. Chart. Service Press

Holmquist, C. A. Interstate sanitation compact and its implications. *Am. J. Pub. Health.* Oct. 1936

New York state regulations for swimming pools. J. Am. Assoc. Hyg. & Baths. 12:36-38. 1929

—**and Cox, C. R.** Camp sanitation. Free. 63p New York State Dept. Health. Guidance in the design and operation of municipal pools. *Swim. Pool Data & Ref. Ann.* 4:35-37; 74. 1936

Holroyd, Charles. Breast stroke antiquated. *Swim.* Nov. 1924

Evolution of the crawl stroke. *Swim.* June 1925

Evolution of the overarm stroke. *Swim.* March 1925

Holstein-Rathlou, E. von. Is Nielsen method of resuscitation fatiguing? *Ugesk. f. laeger.* July 11, 1935

Künstliche Atmung nach Holger Nielsens Methode. Bemerkungen zu den Artikeln von C. J. Mijnlieff. *Münchener med. Wochenschr.* April 18, 1935. *Reply by Mijnlieff:* April 18, 1935

Holt, Howard. Which sport is the best body builder? Springfield Un. & Repub. June 29, 1930

Feature newspaper article.

Holwerda, K. Disinfection of swimming baths in tropics with chlorine and chloramin. *Mededeel. v. d. dienst d. volksgezondh. in Nederl.-Indië.* 17: 357-82. 1928; *also Am. J. Pub. Health.* Sept. 1929

Holzmann, J. D. Der Wasserfreund. Vienna, Austria. 1824

Homans, J. Epidermophytosis (athlete's foot): a cause of serious streptococcal infections. *New England J. Med.* May 19, 1932

Hood, W. S. Safeguarding nation's health with pools. *Beach & Pool.* April 1927

Hook, Ruth E. Case study to determine some of the effects of "swimming techniques" in the development of body mechanics. Thesis. Ohio State Univ. 1937

Hooker, D. R.; Wilson, D. W.; and Connell, H. Effect of carbon dioxide and other substances on respiratory and cardiovascular centers; perfusion of mammalian medulla. *Am. J. Physiol.* May 1917

Hooper, S. L. See Hellebrandt, Frances A. *jt. auth.*

Hoover, Charles Potter. Water supply and treatment. 1st ed. Free. 145p Nat. Lime Assoc. 1934; 2nd ed. 1936

Why water should be softened. *Am. City.* Sept. 1935

Hopkins, Edward S. Water purification control. (il) 1st ed. 10s. Baillière, Tindall & Cox. 1932; 2nd ed. \$1.75 Williams & Wilkins. 1936

Hopkins, J. T. Story of the Eighth Olympiad. *Phys. Train.* Feb. 1925; *also Mind & Body.* March 1925

Hopkinson, H. C. Life saving made easy. 6d. Heffer. 1934

Horder. Spa as national asset in maintenance of physical fitness. *M. Press* Dec. 8, 1937; *also J. Roy. Inst. Pub. Health & Hyg.* Feb. 1938

Horgen, S. S. Modern swimming facilities, Wausau, Wisconsin. *Am. City.* Feb. 1931

Horn, D. W. Is germ chlorination fatal? *Hahnemannean M.* Oct. 1932

Horton, B. T. and Roth, G. M. Collapse while swimming; most dangerous consequence of hypersensitivity to cold. *Proc. Staff Meet., Mayo Clin.* Jan. 6, 1937

Horton, R. J. Report of committee on swimming pool construction. *Phys. Train.* Dec. 1919

Horwood, Murray Philip. Sanitation of water supplies. (il, diags) \$3 181p Thomas. 1932

—**Gould, B. S.; and Shwachman, H.** Indices of the sanitary quality of swimming pool waters. *J. Am. Water Works Assoc.* Jan. 1933

Hosack, David. Enquiry into the causes of suspended animation from drowning; with the means of restoring life. 37p Swords. 1792

Hosford, H. W. Recirculation and refiltration. *Swim. Pool Data & Ref. Ann.* 3:34-35. 1935

Hoskins, J. K. See U.S. Public Health Service, *jt. auth.*

Hotchkiss, E. Finer points of fancy diving. *Country Life.* Aug. 1922

Houghtaling, F. M. Disinfection of swimming pools. *Ohio State M. J.* Aug. 1929

Houser, G. C. Report on standards for bacterial quality of water at natural bathing places. Nov. 22, 1932. *Boston Dept. Sanit. Engin.* Compiled for Boston Department of Sanitary Engineers.

Houville, G. d'. Assemblée générale du sauvetage des naufrages. *Rev. Deux Mon.* June 1, 1937

Howard, Benjamin. Plain rules for the restoration of persons apparently dead from drowning, as taught under the auspices of the metropolitan board of health of the city of New York. 439p *Treat.* 1869

Preventable deaths from drowning and suffocation within the metropolitan district of New York. *New York M. J.* Dec. 1872; *reprint* Appleton. 1872

Howard, Sidney. Science of swimming as taught and practiced in civilized and savage countries. *New York.* The Author. 1849

Howard Method of Resuscitation. See Resuscitation, Howard method

Howatt, J. Swimming pools. *Domest. Engin.* Aug. 24, 1929

Howcroft, W. J. British swimmers being left behind: how and why other nations are progressing; youth must have leadership and scientific training. *Swim. Times.* Feb. 1935

BIBLIOGRAPHY OF SWIMMING

Howcroft, W. J.—Continued

Olympic swimming pool, Berlin. Baths & Bath Engin. July 1936

Olympic swimming: why Japan has advanced. Mind & Body. May 1933

Swimming and water polo. \$2 Scribner's. 1936; 5s. Allan. 1936

Swimming for schoolboys. (il) 6d. Nat. Assoc. Schoolmasters. 1936

Swimming for speed: the crawl-stroke. (il) Pa. 6d. 24p Essex, Eng., 48 St. Johns Road, Seven Kings. The Author. 1935

Systematic swimming instruction for children. Phys. Train. 12:50-53. 1920

Wembley winners. Swim. Times. Aug. 1934

—See Handley, L. de B. jt. auth.

Howe, A. E. See Berliner, J. F. T. jt. auth.

Howe, Earl. Launching of S.S. Brighton. Swim. Times. Aug. 1934

Howe, Eugene C. and Taylor, Miriam W. Alkali reserve and physical fitness. Am. Phys. Educ. Rev. Dec. 1929

Hoyman, H. S. See Boushey, E. E. jt. auth.

Hoyt, L. A. See Steinhaus, Arthur H. jt. auth.

Hoyt, R. E. Los Angeles' \$335,000 beach playground. Am. City. March 1933

Huedepohl, Paul H. Cleaning swimming pools: a bulletin to pool operators. Beach & Pool. Aug. 1935

Diving boards. Beach & Pool. April 1936

Economics of pool operation. (il) Municipal Sanit. 4:268-71. Aug. 1933

Essentials of a modern pool. Swim. Pool Data & Ref. Ann. 3:38-40. 1935

Essentials of swimming pool water control. Beach & Pool. May 1935

How to conduct "learn to swim" campaigns. J. Am. Assoc. Hyg & Baths. March 1931

Leadership is essential in the swimming pool and beach fields. Beach & Pool. Nov. 1936

Learn-to-swim campaigns sponsored by Jantzen Swimming Association. Beach & Pool. April 1937

Mechanics and judging of fancy diving. (diags) Swim. Pool Data & Ref. Ann. 6:31-32; 71. 1938

Promoting and conducting "learn-to-swim" campaigns. 22p Jantzen. 1933

Selling swimming. Beach & Pool. Jan. 1936

Suggested policy for municipal, civic and community pool operation. Swim. Pool Data & Ref. Ann. 3:36. 1935

Suit and towel losses. Swim. Pool Data & Ref. Ann. 5:73-74. 1937

Teach yourself to swim. Free. 20p Jantzen. 1934

Hughes, E. See Cooper, E. L. jt. auth.

Hughes, J. L. J. Is this a British crawl? Swim. Times. July 1934

Hughes, T. Whole art of swimming. 40p London, 35 Ludgate St. The Author. 1820

Hughes, W. L. See Williams, J. F. jt. auth.

Humidity. See Pool Buildings, Ventilation of; Pool Buildings and Water, Heating of

Hunt, Marshall. Records beware! You're fragile stuff to Helene. (il) Lit. Dig. Aug. 15, 1931

Hunter, Evan A. Empire Games: their origin and ideals. Swim. Times. Aug. 1934

Hunting, H. G. Teaching the boy to swim. Country Life. Aug. 1905

Huntingford, George Isaac. Sermon at anniversary of Royal Humane Society: to which is added an appendix of miscellaneous observations on resuscitation. 48p Roy. Humane Soc. April 24, 1803

Huntington, Robert. Life-boat knowledge. 38p Staten Island, N. Y. The Author. 1935

Hupp, Carrie A. Analysis of the leisure-time activities of the graduates of a state teachers' college. Thesis. Colorado State Col. Educ. 1934

Hurley, Allan A. Investigation of the distribution of effort and time in champion competitive swimming. Thesis. Univ. Iowa. 1938

Hurlson, S. Down to the sea in bathing suits. Sportsman. Aug. 1927

Huss, H. Examination of swimming pools in Stockholm and vicinity. Nord. hyg. tidskr. p460-77. 1924

Taking samples of water for bacteriologic examination. Nord. hyg. tidskr. 17: 394-98. 1936

Huss, R. Effects of outdoor bathing in winter. Nord. hyg. tidskr. 18:275-90. 1937

Hutchins, H. C. See Jessen, Carl A. jt. auth.

Hutchinson, W. Baths and bathers. Cosmopol. Aug. 1909

Huus, Randolph O. Financing municipal recreation. Banta

Hyatt, C. A. Evolution of swimming. Am. Swimmer. Nov.-Dec. 1922

Question of violet rays. Beach & Pool. Feb. 1929

Recent developments in swimming pool sanitation. (il) Municipal Sanit. April 1934

Swimming pool developments of the past decade. (il, diags) Parks & Recrea. May 1932

Water purification by ozone. Beach & Pool. July 1929

What makes a pool successful? Beach & Pool. May 1929

Why swim? Am. Swimmer. Oct. 1922

—committee member. See Illinois State Department of Public Health

Hyde, Walter Woodburn. Olympic victor monuments and Greek athletic art. 406p Carnegie Inst. 1921

Hydrogymnastics. See Corrective Swimming

Hydroplane, Principle of, Applied to Swimming. See Strokes

Hydrozone Company, Inc. See Bacharach, E. W., and Company, jt. auth.

Hygiene of Pools. See Pools and Bathing Places, Sanitation of, hygiene of pools

Hypersensitivity to Cold. See Diseases, caused by cold and overexertion; Drowning, causes of

Hypochlorites in Water Purification. See Water Purification, chlorides and hypochlorites in

I

Icterohemorrhagic Spirochetosis. See Diseases, icterohemorrhagic spirochetosis

Idaho State Department of Public Welfare. Standards for design, construction, equipment and operation of swimming pools. Free. 3p Idaho State Dept. Pub. Welfare. 1938

Idzerda, J. and Wildervanck, J. H. Comparative hygienic value of disinfection of water in swimming pools by means of chlorine, chloramine and copper chloride. *Nederl. tijdschr. v. geneesk.* Nov. 11, 1933

Illinois State Department of Public Health. Minimum sanitary requirements for swimming pools and bathing places with additional information and suggestions on design, construction and operation. Free. Illinois State Dept. Pub. Health. July 15, 1935. Rev. May 1, 1938. Prepared by Klassen, C. W.; Hyatt, C. A.; and Walker, V. L.

New swimmin' hole. Issued four times yearly. Free. Illinois State Dept. Pub. Health

Personal regulations for swimming pools. Free. 2p Illinois State Dept. Pub. Health. 1937

—Division of Sanitary Engineering. Harry F. Ferguson, chief engineer. Laws, rules and regulations of the states and some cities for swimming pools and other public bathing places. Notab. *Swim. Pools.* 1:37-87. 1933

Illinois, University of. Modified water polo rules. *Water Sports.* p51-4. 1935-36

Illinois Water Survey Committee. Investigations of chemical reactions involved in water purification, 1920-1925. 133p Illinois, State of. 1926

Ilzhofer, H. Examination of swimming baths; Munich public baths. *Am. J. Pub. Health.* Nov. 1929

Examination of swimming pools. *J. Am. Water Works Assoc.* Oct. 1930

Die Untersuchung der Hallenschwimmbäder. *Gesundh.-Ing.* Aug. 11, 1928

Imbeaux, Édouard. Qualités de l'eau et moyens de correction. 834p Dunod. 1935

Increasing Attendance at Pools. See Publicity, increasing attendance

Index of Purity of Water. See Water Analysis, interpretation of findings

India, Competition in. See Competition, in India

Indiana State Board of Health. Swimming pool sanitation including pool regulations. Free. 28p Indiana State Board Health. 1935

Indices of Water Pollution. See Water Pollution, indices of

Indoor Pools. See Pools and Bathing Places, Construction of; Pools and Bathing Places, indoor

Infantile Paralysis. See Corrective Swimming, for infantile paralysis; Diseases, infantile paralysis

Infectious Diseases. See Diseases, infectious

Ingersoll, Oliver Roland (comp). United States governmental tests of the Ingersoll patent self-righting and bailing, unswampable, fireproof, metallic life launch and lifeboat. 136p *Judd & Detweiler.* 1909

Inglis, W. Life-savers on old Malabar. (il) *Harper's Mag.* Jan. 1908

Ingram, S. W. Colgate system. *Beach & Pool.* Feb.-March 1935

Federation of Aquatics. *Swim. Pool Data & Ref. Ann.* 5:60-62. 1937

Report of Aquatic Forum at Colgate. *Beach & Pool.* July 1935

Training period to be held in Ft. Lauderdale. *Beach & Pool.* Nov. 1935

Injuries

See also Accidents; Diving; Life Saving; Polo; Polo, hazards; Polo, roughness

—fracture of cervical spine in swimming; 2 cases. [E. Marcuse] *Med. Welt.* March 12, 1927

—influence of the butterfly breast stroke on the subcutaneous inguinal ring, or external abdominal ring. [Kenneth R. Weston] *Beach & Pool.* June 1936

—muscular tears in athletes. [E. Jokl and E. Guttmann] *Klin. Wchnschr.* April 22, 1933

—occurrence and treatment of tears of adductor muscles of thigh from breast stroke in swimming. [H. Blenckel] *München. med. Wchnschr.* May 17, 1929

—of ear and upper respiratory tract resulting from bathing. [A. Eckert-Mobius] *Med. Welt.* June 30, 1934

—severe injuries caused by stretching and straining muscles; 2 cases. [H. Hillebrand] *München. med. Wchnschr.* April 6, 1928

—six years of sport injuries. (il) [Wie-wiorowski] *Deutsche Ztschr. f. Chir.* 196:255-70. 1926

—spinal fractures caused by accidents during swimming. [C. Fervers] *München. med. Wchnschr.* May 19, 1933

—sport injuries. [W. Baetzner] *Klin. Wchnschr.* April 9, 1926

TREATMENT OF, BY SWIMMING. See Corrective Swimming; Spas; Thalassotherapy

BIBLIOGRAPHY OF SWIMMING

Inouye, T. Der Restkohlenstoff- und Rest-stickstoffgehalt des Blutes des Er-trunkenen. *Tohoku J. Exper. Med.* March 31, 1935

Installation Rules for Lighting. See Pools and Bathing Places, Lighting of, installation rules

Institutes, American Red Cross. See Aquatic Schools, American Red Cross

Insurance for Pools and Bathing Places. See Pools and Bathing Places, Insurance for

Intercollegiate Meets. See Meets, inter-collegiate

Intercollegiate Polo. See Polo, intercollegiate

Intermediates. See Diving, intermediate; Teaching, intermediates

International Association for Public Baths and Cleanliness —[Mme. A. M. Ruysch-Dowe Dekker] *J. Am. Assoc. Hyg. & Baths.* April 1927

International Congress. See Congress, International; Life Saving, International Congress

International Filter Company; Permutit Company; and Wallace & Tiernan Company, Inc. Swimming pool sterilization. *Municipal Ind.* p342-5; 387; 395; 472; 540-1; 548. 1932

—See Bacharach, E. W. and Company, jt. auth.

International Polo. See Polo, international

International Regulations Regarding Competition. See Competition, interna-tional regulations regarding; Officiat-ing, rules for swimming, diving and water polo

International Swimming Pool Clinic —Fourth International Swimming Pool Clinic to be held in the Medinah Club of Chicago, September 7-8-9-10-11. [Harry O'Hare] *Beach & Pool.* July 1937

—International Swimming Clinic. [W. E. Longfellow] *Beach & Pool.* Dec. 1934-Jan. 1935

—2,250 at 1935 clinic. [Earl K. Collins] *Beach & Pool.* Oct. 1935

International Young Women and Children's Society. Swimming in Japan. \$2 Maruzen. 1935

Interpretation of Results of Water Analysis. See Water Analysis, interpretation of findings

Interscholastic Meets. See Meets, interscholastic

Interscholastic Swimming Coaches of America. Recommendations accepted. Scholastic C: Feb. 1937

Relay scoring perplexing. Scholastic C. June 1937

—swimming bulletin of. [Charles McCaffree, jr.] *Beach & Pool.* Feb. 1937

Intramural Swimming. See Recreational Swimming, intramurals

Iowa State Department of Health. Swimming pool regulations. Free. 14p Iowa State Dept. Health. 1938

Iowa, University of, Department of Hygiene and Preventive Medicine. Swimming pool sanitation; preventive medicine and public health. Mimeo. 7p Univ. Iowa

Ireland, Allen G. Technique of swimming and diving. Thesis. Springfield Col. 1914

Iron Sulphate in Water Purification. See Water Purification, sulphate of iron in

Irvine, C. Glasgow's thirty-three swimming pools. *Beach & Pool.* July 1931

Ittner, W. B. Essential considerations in planning gymnasiums and pools for present-day schools. (il) *Am. School Board J.* Jan. 1923

Ivekovic, H. Versuche über die Vernich-tung der Mikro- und Makro-organis-men im Schwimmbeckenwasser. *Ztschr. f. Gesundhtech. u. Städtehyg.* June 1932

Iyer, P. V. S. See Raghavachari, T. H. S. jt. auth.

Izard and Tamolet. Deux cas de spirochi-tose ictéohémorragique après bai-nade en Garonne. *Rev. méd.-chir. d. mal. du foie.* May-June 1932

J

Jackson, J. F. Layout of accessory equipment in a modern swimming pool. *Engin. News.* Feb. 10, 1927

Jackson, John A. How to judge and select towels. *Beach & Pool.* May 1934

Towels: preferable sizes and types for both men and women. *Beach & Pool.* May 1937

—and Rheins, W. W. Towels. *Beach & Pool.* May 1934

Jackson, P. Safe swims for campers. (il) *Hygeia.* July 1933

Jaeger, Lee D. Resistance of water as a limiting factor of speed in swimming. Thesis. Univ. Iowa. 1937

Jaensch, W. and Hoffmann, A. Hochleis-tung und Körperbau unter Berück-sichtigung früherer Olympia-Teilnehmer und Internationaler Wettkämpfer. München. med. Wchnschr. July 24, 1936

Rasse, Konstitution und Höchstleistung bei den Siegern des XI Olympia. München. med. Wchnschr. Jan. 1, 1937

Jaffe, F. W. M. and Harral, J. C. Bacterio-logical analysis of swimming bath water: a note on the interpretation. *Baths & Bath Engin.* March 1937

Jagic, N. and Zimmermann-Meiningen, O. Ueber Erkältung und Ueberanstren-gung als Krankheits Disposition mit besonderer Berücksichtigung von Sport-und Leibesübungen. München. med. Wchnschr. Feb. 7, 1936

Jahn, K. Das Wiener Stadion. Deutsche Kunst u. Dek. Sept. 1931

James, E. Respiratory symptoms from sea-water inhalation. *Brit. M. J.* Oct. 5, 1935

Janssen, F. W. History of American amateur athletics and aquatics with the records. 262p New York Outing. 1887

Jantzen Knitting Mills. Directions for laundering and storing woolen suits. *Swim. Pool Data & Ref. Ann.* 5:73. 1937

Jantzen Swimming Association. Are warm water showers necessary? Free. Jantzen. 1938

Holding your patrons. *Swim. Pool Data & Ref. Ann.* 5:74. 1937

Infantile paralysis and its relation to the public swimming pool. Free. Jantzen. 1938

—Jantzen Swimming Association. Beach & Pool. May 1935

—campaigns sponsored by. [Paul H. Hue-depohl] Beach & Pool. April 1937

Japan vs. America. See Meets, Japan vs. America; Speed Swimming, American and Japanese

Japanese Crawl. See Speed Swimming, American and Japanese; Strokes, crawl

Jarvis, J. A. Art of swimming, with notes on water polo. (il) 1s. 108p Hutchinson. 1902

Title varies; sometimes called *The A B C of Swimming*. Includes sections by other authors: Aids to Life Saving by W. Henry; Handicapping by H. Thomsett.

Jeffrey, W. E. See Kuelling, H. J. jt. auth.

Jellinck, S. Eine neue Methode der künstlichen Atmung. Wien. klin. Wchnschr. June 29, 1934

Jellyfish as Cause of Disease. See Diseases, caused by jellyfish

Jenkins, Edward C. Keystones of a modern swimming pool. (il) *Swim. Pool Data & Ref. Ann.* 5:23-25. 1937

Jenkins, Marjorie. Study of children's swimming as activated by specific reading. Thesis. Mills Col. 1936

Jenkins, T. A. See Steinhäus, Arthur H. jt. auth.

Jenne, L. L. and Welsford, H. R. Precautions needed in the ammonia-chlorine treatment of swimming pools. *Indust. & Engin. Chem.* Jan. 1931

Jent, F. Swimming. 3s. 6d. Barron. 1936

Jernee, G. You can't play tag with the ocean. (il) Am. Sept. 1932

Jerôme, J. Anleitung zur Schwimmkunst. Mainz, Germany. 1824

Jessen, Carl A. and Hutchins, H. C. Community surveys. U.S. Dept. Interior. 1936

Jessup, E. Human nature in deep water: some suggestions on how not to get drowned. *Outlook*. May 24, 1922

Rules for sanitation and safety of swimming pools. *J. Am. Med. Assoc.* Dec. 11, 1926

Jobson, D. W. See Medical Member of Her Majesty's Household

Johansson, C. A. H. Aids in swimming lessons. 2d. 1s. 6d. per dozen copies. Southern Counties A.S.A. 1913

Johansson, G. Lessons on diving. *Swim.* March 1918

Johansson, H. See Daniels, Charles M. jt. auth.

Johnson, C. E. See Kestner, O. jt. auth.

Johnson, E. See Leddy, E. T. jt. auth.

Johnson, Edward. Hydropathy: the theory, principles, and practice of the water cure shewn to be in accordance with medical science and the teaching of common sense; illustrated with many important cases. With nine engravings. 334p Simpkin, Marshall. 1843

Johnson, J. W. H. Critical review of method of analysing waters, sewages and effluents, with suggestions for their improvement. *Analyst*. March 1927

Johnson, L. S. How Panama is financing and building its community swimming pool. *Am. City*. March 1925

Johnson, O. E. Problem of wading pool. *J. Am. Assoc. Hyg. & Baths.* Sept. 1929

Johnson, Russell S. Enquiry into the status of swimming pools in the high schools of California. (bib) Thesis. 90p Univ. Southern California. 1935

Johnson, W. S. Notes on swimming pool sanitation control. (tables) *Am. J. Pub. Health*. Sept. 1936

Johnson, W. W. Swimming stroke that is natural for man. *Am. Phys. Educ. Rev.* Jan. 1915

Johnston, Charles H. L. Famous American athletes of to-day. 1st series. Page. 1928; rev. ed. 445p 1933

—2nd series. 328p 1930

—4th series. 273p 1934

Third series by Leroy Atkinson and Austen Lake.

Johnston, R. A. Community recreation. *Ath. J.* May 1927

Johnstone, E. R. Recreation with the feeble minded. *Am. Phys. Educ. Rev.* Jan. 1925

Johnstone, N. W. Swimming pool design for sanitation and greatest profit. *Mind & Body*. Sept.-Oct. 1914

Joint Committee on Bathing Places. See American Public Health Association and the Conference of State Sanitary Engineers, Joint Committee on Bathing Places

Jokl, E. and Guttmann, E. Über die sogenannten "Muskelrisse" der Sportsleute. *Klin. Wchnschr.* April 22, 1933

Jones, A. H. New educational life preserver. 35c 31p Brooklyn, N.Y., 268 Linden Boulevard. The Author. 1932

Jones, Alma V. Supervision of student teachers in swimming. *Swim. Pool Data & Ref. Ann.* 6:39; 80. 1938

BIBLIOGRAPHY OF SWIMMING

Jones, E. Y. Arms in the front crawl. *Swim. Times*. Aug. 1936

Jones, G. Suggestions for teaching swimming and how to make progress with it. *Phys. Train.* Nov. 1924

Suggestions for teaching swimming to girls and boys of school age. *Mind & Body*. March 1931

Value of swimming course in public schools. *Red Cross Cou.* June 1, 1925

Jones, Hiram Arthur. Status of equipment in athletic, health and physical education departments of 100 high schools in the U.S. *School Rev.* Jan. 1930

Survey of athletics, health, and physical education programs of one hundred high schools in the U.S. Thesis. Northwestern Univ. 1929

Jordan, H. E. Laboratory control of water purification plants. *Am. J. Pub. Health*. April 1936

Jordan, R. G. Amateur Swimming Association (of England): a New Year's message from the president. *Swim. Times*. Feb. 1936

Josam Manufacturing Company. See Day, Louis J.

Jouannet, F. L. Aquatics; a manual for swimming instructors. Thesis. Springfield Col. 1917

Judge, Winifred Elizabeth. United States Life Saving Service. 1910
Paper given before the Society for Political Study of New York.

Judging Diving. See Officiating, judging diving

Junior League Home for Crippled Children. See Corrective Swimming, institutions

K

Kadaner. See Schwetz, J. jt. auth.

Kadel, Walter C. How Wilmington builds swimming consciousness. *Beach & Pool*. Aug. 1937

Kaffee Hag, Effects of. See Coaching, diet

Kagan, S. E. Otitis as result of open air bathing. *Sovet. vrach. gaz.* June 30, 1934

Kagedes, K. von. Wie steht es um die Coli-Frage? *Gesundh.-Ing.* Sept. 19, 1931

Kaler, James Otis (James Otis, pseud). Life savers. 327p Dutton. 1899

Kallas, J. G. See Ruchhoft, C. C. jt. auth.

Kallenbach, Georg. Handbuch für Schwimmvereine. 157p Breslau, Germany. 1896

Kallenberg, Henry F. Methods for teaching beginners to swim. *Phys. Train.* Nov. 1916

Program of swimming for the Young Men's Christian Association. \$1 50p Assoc. Press. 1924

Report on distribution of nationally authorized Y.M.C.A. swimming and life saver examiners in United States. *Phys. Train.* April 1927

Swimming. *Young Men's Era*. p981. 1892

Kankrov, A. L. Conjunctivitis contracted in swimming pools in Samarkand. *Sovet. vestnik oftal.* July 1935

Kansas State Board of Health. Regulations governing public swimming pool sanitation. Free. 4p Kansas State Board Health. 1935

Kappenburg, B. Swimming in the public school. *Nederl. tijdschr. v. geneesk.* 2:345-48. 1917

Karbowski, W. Purification of water by electricity. *Med. dōswiadcz. i spol.* 14:823. 1932

Kar-Kadinovsky, T. A. See Ugloff, V. A. jt. auth.

Kaross, Ernst. See Geisow, Hans. jt. auth.

Karpovich, Peter V. Analysis of the propelling force in the crawl stroke. *Res. Quart. (Supp.)* May 1935

Curiosities in the athlete's diet—prejudices of the past amuse us today: but some we have replaced with new ones. *Scholastic C.* May 1934

Diet for the athlete. *Scholastic C.* Fats and minerals. Dec. 1933. Protein requirements. Oct. 1933. Sugar. Sept. 1933. Vitamins. Jan. 1934. Water. Feb. 1934

Effect of basketball, wrestling, and swimming upon the white blood corpuscles. *Res. Quart. (Supp.)* May 1935

Effect of exercise upon the bones. *Scholastic C.* Jan. 1936

Effect of oxygen inhalation on swimming performance. *Res. Quart.* May 1934; also *Phys. Educ. Health & Recrea. Dig.* Dec. 1934

How not to swim faster. (diag) *Sc. Am.* April 1934

Mathematical analysis of the crawl. *Scholastic C.* Dec. 1937

Modern aspect of athletic physiology. *J. Phys. Educ.* Feb. 1930

Oxygen inhalation and athletics. *Scholastic C.* Nov. 1934; also *Phys. Educ. Health & Recrea. Dig.* Dec. 1934

Physical exercise in cardiac and metabolic diseases. *J. Health & Phys. Educ.* Oct. 1935

Physiology of athletics. *Scholastic C.* Blood changes in athletics. March 1935. Emotions and feelings. May 1935. Heart and circulation. Jan. 1935. Muscle. Sept. 1934. Respiration. Oct. 1934

Problems in drowning. *J. Phys. Educ.* July-Aug. 1934; also "Y" Spokesman. Oct. 1934

Second wind. *Scholastic C.* Nov. 1935

Sugar in athletics. *Scholastic C.* Sept. 1933

Swimming speed analyzed. *Sc. Am.* March 1930

Vegetable versus meat diet. *Scholastic C.* April 1934

Water in the lungs of drowned animals. Arch. Path. June 1933; *reprint* A.M.A. 1933

Water resistance in swimming. Res. Quart. Oct. 1933

— and Affleck, G. B. Some physiological effects of outdoor water activities. Am. Phys. Educ. Rev. Dec. 1929

Karsten, W. Disinfection of swimming baths with chlorine. Med. Welt. Aug. 25, 1928

Kasch, Fred William. Comparative study of the individual mass and group methods of teaching elementary swimming. Thesis. Univ. Illinois. 1937

Kasley, Jack
—Jack Kasley cracks three world marks. Swim. Times. May 1936

Kato, K. See Yokochi, Y. jt. auth.

Katsanyes, C. P. See Leahy, H. W. jt. auth.

Kauders, O. Die Bedeutung des Sportes innerhalb der seelischen Behandlung. Wien. klin. Wchnschr. July 9, 1937

Kaufman, Nathan H. Bacteriology instruction, demonstrations and general aquatics featured during Southwest Pennsylvania Aquatic Conference. Beach & Pool. Feb. 1938

Building business with water pageants. Swim. Pool Data & Ref. Ann. 6:59. 1938

New aquatic game: water skin ball. Beach & Pool. Feb. 1933

New game: double waterball. Beach & Pool. Sept. 1932

Recreational swimming. Beach & Pool. Nov. 1936

Résumé of water games. Mimeo. Free. 1p Pittsburgh, Pa., Allegheny County Parks. The Author. 1933

Splashes. Beach & Pool
Has appeared monthly since March, 1937.

Suggestions for aquatic programs. Swim. Pool Data & Ref. Ann. 6:29-30. 1938

Water games and swimming stunts. Mimeo. 25c 12p Pittsburgh, Pa., Allegheny County Parks. The Author. 1937

Kaup, J. and Grosse, A. Energieaufwand, Herzleistung und Erholungs-quotient im Training. München. med. Wchnschr. Aug. 12, 1927

Kay, J. School swimming. J. Prev. Med. 14:105-12. 1906

Kay, James. How to teach swimming in schools and colleges. (20 figures) 1s. 74p New Brompton Croneem. 1901

Swimmer's companion, being the whole art of swimming clearly explained and made easy, containing the rules for self-instruction, sea-bathing and how to proceed in cases of supposed drowning. 2d. Glasgow, Scotland. The Author. 1882(?)

Kearns, W. A. Swimming pool design and construction. (il) Recrea. Oct. 1934

Keck, Alb. Wasser-Rettung. Ratgeber für Rettungsschwimmer und Nothelfer und alle, die es werden wollen! Koehler & Volckmar. 1935

Kehl, Wilhelm. Kleine schwimmschule. 3rd ed. 18p Drell. 1888

Kehr, R. W. See Shaw, F. R. jt. auth.

Keichel, Alfred. Neue und beste Art zu Schwimmen. Aderholz. 1897

Keim, P. See Nachtigall, G. jt. auth.

Keith, H. P. Swimming pools that snare the sun. Craftsman. Dec. 1915

Kellenbeil, F. G. Praktische Anweisung zur Schwimmkunst nach der V. Pfuelschen Methode. Basse. 1842

Kellerman, Karl F. See Moore, George T. jt. auth.

Kellermann, Annette. Girl who wants to swim. Ladies' Home J. July 1915
How I swam into fame and fortune. Am. March 1917
How to master swimming. Phys. Cul. July 1910
How to swim. \$2 269p Doran. 1918
Why and how girls should swim. Ladies' Home J. Aug. 10, 1911

Kelley, Donald A. Investigation to determine the frequency with which 400 words commonly used in oral instruction in swimming are not comprehended by 150 eleventh-grade boys at Central High School, Detroit. Thesis. Univ. Michigan. 1931

Kellner, H. Veränderungen des weissen Blutbildes beim Schwimmen. Wien. klin. Wchnschr. Sept. 24, 1937

Kellner, P. Rettungsschwimmen in Bildern und Merkworten. (Rucksack-Bücherei 11). Koehler & Volckmar. 193(?)

Schwimmen. I. Schwimmschule II. Stil und Training. (Taschenbuch d. Leibesübgn. 21/22). Koehler & Volckmar

Wasserballspiel in Bildern und Merkworten. (Stuttgarter Sportbücher). Koehler & Volckmar. 1930

Kellogg, John Harvey. Hydrotherapy in cardiovascular disorders. Kellogg Co. 1916

Kellogg Company. Swimming and diving. Free. 46p Kellogg Co. 1934
Compiled and organized by the staff of the American Boy Magazine.

Kelly, H. A. Public baths of Jersey City. J. Am. Assoc. Hyg. & Baths. April 1924

Kelly, R. J. Are X-rays of value in treatment of ringworm of hands and feet? New York State J. Med. July 1, 1933

Kelso, L. E. A. See Hellebrandt, Frances A. jt. auth.

Kemp, Johnnie. Water tricks. Beach & Pool. March 1933

Kendall, C. F. Camp sanitation. Am. J. Pub. Health. July 1925

Kennedy, A. Easiest swimming stroke. Outing. April 1920

Kennedy, Edward T. Diving board for women. Aquat. p44. 1931-32

BIBLIOGRAPHY OF SWIMMING

Kennedy, Edward T.—Continued
 International pools given impetus by both foreign and domestic representation at Third Annual Aquatic Forum, Fort Lauderdale, Fla. Chamber of Commerce active on plans for Fourth Forum. (il) Beach & Pool. Jan. 1938

Mechanical timing. Beach & Pool. April 1935

Observation windows. (il) Swim. Pool Data & Ref. Ann. 5:56-57. 1937

Tips on officiating. Swim. Pool Data & Ref. Ann. 4:47-48. 1936

Kennedy, J. B. Come on in. (il) Collier's. Aug. 26, 1933

Kennelly, A. E. Men swimming; new records bibliographical table. Am. Acad. Arts & Sc., Proc. Aug. 1926

Kent, Robert S. Pool engineering and design. Swim. Pool Data & Ref. Ann. 6:43; 72. 1938

Kent, W. F. Swimming and life saving as a part of our physical education program. Volta Rev. Sept. 1931

Kentish, Richard. Essay on sea-bathing, and the internal use of sea water. 1787

Kentucky State Board of Health. Rules on swimming pools. Free. 2p Kentucky State Board Health. 1937

Kepner, D. E. Swimming pool sanitation. Beach & Pool. Aug. 1929

Ker, W. Competition for a life-saving device. Sc. Am. Jan. 27, 1900

Kermorgant, Y. Contribution à l'étude des modifications du spectre sanguin observées au cours de l'hydrothérapie. Gaz. méd. de France (Supp. Stat. therm. franc., no.10). 45:14-16. 1938

L'hygiène des piscines. Bull. Acad. de méd., Paris. April 6, 1937

Kerr, Isabelle. Cause and prevention of sinusitis with special reference to the effects of swimming as a cause. Boston, Mass. New England Hospital for Women and Children. The Author. 1935. Unpublished

Kerslake, R. F. Swimming in the universities. Swim. Times. May 1935

Kessler, O. A. Schwimmbäden im europäischen Ausland. Gesundh. u. Erziehg. Feb. 1937

Kestner, O.; Johnson, C. E.; and Laubmann, W. Glykogen und Muskeltraining. Arch. f. d. ges. Physiol. 227:539-45. 1931

Keyser, C. P. Public recreation in Portland, Oregon. Beach & Pool. June-July 1935

Kiefer, Adolf
 See also Speed Swimming; Strokes, back crawl
 —Kiefer backstroke turn. (il) Swim. Times. Feb. 1938
 —Kiefer turn. Swim. Times. Dec. 1935
 —men and methods. Swim. Times. Dec. 1935
 —Sonny relaxes. (il) [Quentin Reynolds] Collier's. June 6, 1936

Kieffer, J. C. Swimfest in Syracuse. Playground. Nov. 1927

Kieran, John. Dark horses of the Olympics. (il) Am. July 1936

Story of the Olympic Games: 776 B.C.-1936 A.D. (il) \$3.50 310p Stokes. 1936

Kilbey, Walter. Some high divers and their ways. Windsor Mag. Aug. 1901

Killick, E. M. and Eve, F. C. Physiological investigation of rocking method of artificial respiration. Lancet. Sept. 30, 1933

Kimball, Sumner Increase. Organization and methods of the United States Life Saving Service. 33p Gov. Printing Off. 1890. 1912

Kimber, T. J. Olympic Games: water polo. Swim. Times. Oct. 1936 and Feb. and April 1937

Water polo. Swim. Times. June and Sept. 1937

Kinesiology of Strokes. See Strokes, kinesiology of

King, A. G. See Allen, John K. jt. auth.

Kingston, Natalie. My hobby is swimming. Swim. Nov. 1924

Kinkel, Roeder J. Advantages of the triple unit pool. Swim. Pool Data & Ref. Ann. 4:23-25. 1936

Kiphuth, Robert J. H. Are you a swimmer? Chapter (p279-85) from' Play the Game, the Book of Sport. Ed. by Mitchell V. Charnley, 344p Jr. Lit. Guild. 1931

Best American swimming performances of 1935. Beach & Pool. Nov. 1935

In the Olympic swim. Sports Illus. Aug. 1936

Japan challenges America in the water. Lit. Dig. May 12, 1934

National A.A.U. swimming championships. Beach & Pool. Jan. 1935

Speed and skill in swimming. Scholastic C. Nov. 1932

Surveying the swimmers. Beach & Pool. April 1937

Swimming the crawl. Sport St. June 25, 1935

Trip to Japan. Beach & Pool. Nov. 1935

You can't sink. Am. Aug. 1936

—Bob Kiphuth: Yale's body builder. (il) Lit. Dig. Feb. 3, 1934

—Bob Kiphuth says. [Handley Cross] Sport St. June 8, 1928

Kirby, G. T. 1928 Olympics. Playground. March 1929

Kirch, E. Die Beeinflussung des Herzens durch starke körperliche Anstrengungen und durch Sport. Sitzungsber. d. phys.-med. Soz. zu Erlangen. (1929) 61:1-20. 1930

Herzstärigung und echte Herzhypertrophie durch Sport (an Hand neuer Sektionsfälle). Ztschr. f. Kreislaufforsch. Dec. 1, 1936

Ueber das Zustandekommen der Physiologischen und Pathologischen sogenannten Sportherzens. Ztschr. f. Kreislaufforsch. March 1, 1928

—and Grünbauer, W. Über tierexperimentelle Herzhypertrophie bei Laboratoriumsratten durch trainingsmässiges Schwimmen. *Beitr. z. path. Anat. u.z. allg. Path.* 100:354-63. 1938

Kirchberg, F. Ruhe beim Sport. *Umschau.* June 18, 1927

Kirkee, C. I. Largest swimming pool in Kansas. *Playground.* June 1924

Kirmitz, J. P. See Steinhaus, Arthur H. jt. auth.

Kistler, G. Historical sketch of Intercollegiate Swimming Association. *Swim. Guide.* p39-43. 1915-16

—and Anthony, I. W. You can learn to swim. (il) *Sat. Eve. Post.* June 13, 1931

Kitchevatz, M. Nouvelles recherches sur la photosensibilisation de la peau. *Bull. Soc. franç. de dermat. et syph.* March 1936

Kite, Charles. Essay on the recovery of the apparently dead. 274p Dilly. 1788

Klassen, C. W. Swimming pool legislation and its compliance by swimming pool operators. *Beach & Pool.* Feb. 1938

—committee member. See Illinois State Department of Public Health

Klaus, E. J. Untersuchungen zur Klärung eines plötzlichen Todesfalles beim Wettschwimmen. *Deutsches Arch. f. klin. Med.* 181:275-85. 1937

Kleeberger, Frank Louis. Physical efficiency as measured at the University of California. *Res. Quart.* May 1932

Sanitary survey of swimming pools in Berkeley and Oakland. Thesis. Univ. California, Berkeley. 1916

The Physical Education department lists this as: Hygiene at the men's swimming pool.

Klingberg, O. and Schroedter, E. Erfahrungen mit Abwasserchlorirung an der Seeküste unter Berücksichtigung des Badebetriebes. *Gesundh.-Ing.* Nov. 22, 1930

Klose-Gerlich, J. Schwimmen und Ohrerkrankungen bei Schulkindern. *Gesundh. u. Erziehg.* Feb. 1937

Kneeland, Natalie. Sweaters and bathing suits. (il) 144p Shaw. 1925

Knoch, A. A. Why has breast stroke been taught for more than a half century in all European countries? *Mind & Body.* Jan. 1913

Knoll, W. Übertraining. *Deutsche med. Wchnschr.* Aug. 11, 1933

Knott, Arthur Reynolds. Life saving and artificial respiration. 25c 41p Free-man's J. Co. 1915

Knowlton, George Q. Entire rural community taught to swim. *Beach & Pool.* Feb. 1932

Knox, Eunice. Indian swimming pageant. 25c Womans Press

Kobbé, G. Life-savers old and young. St. Nichol. April 1901

Koch, E. B. Swimming in the elementary schools. *Am. Phys. Educ. Rev.* Jan. 1915

Kocher, A. L. and Davison, R. L. Swimming pools; standards for design and construction. (bib, il, diags, plans) *Architect. Rec.* Jan. 1929

Koenig. Charcoal. *Gesundh.-Ing.* May 2-9, 1931

Koeppen, S. Wiederbelebung mit dem Biomotor. *Zentralbl. f. Gewerbehyg.* May-June 1935

Kohlräusch, W. Type of breathing in various sports. *München. med. Wchnschr.* Nov. 25, 1921

Kolb, George (translator from German). Physiology of sport: contributions towards the physiology of a maximum of muscular exertion especially modern sports, as swimming, etc. *Swimming and diving*, p150-7. London. 1893

Kompa Sisters

—Kompa sisters. [Translated from *Der Schwimmer*] *Swim. Times.* Oct. 1935

—swim honors to Misses Kompa and Dozier. *Beach & Pool.* June 1935

Konikow, M. J. Bathing in Russia. *Boston M. & S. J.* 178:518. 1918

Kopf. Eisenbeton hergestellte offene Badebecken und abgeteilte Schwimm-Lehrbecken mit freiem Durchgang, nebst Gebäuden und Sportplätzen für ein neues Flussbad zu Cassel. *Gesundh.-Ing.* Jan. 31, 1925

Korman, S. See LaMer, V. jt. auth.

Koschkin, M. L. and Spektor, E. M. Die Bedeutung des Ammoniaks für das Chlorbindungsvermögen des Wassers; einige Daten über den Chemismus des Chlorbindungsvermögens von präammonisiertem Wasser. *Ztschr. f. Hyg. u. Infektionskr.* 117:742-51. 1936

Koskie, L. Harry. Impressions of the European games. *Swim. Times.* Oct. 1934

Paradise pool. *Swim. Times.* Sept. 1935

Koyl, E. G. Municipal swimming pool at Kitchener. *Canad. Engin.* April 5, 1932

Kranzfelder, R. H. Dürfen Lungenkranke Leibesübungen betreiben? *Med. Kor.-Bl. f. Württemberg.* Sept. 3, 1932

Krause, E. Zur Frage der Wirkung von Turnen bzw. Sport auf nachfolgende geistige Leistungen. *Leibesübungen.* June 20, 1933

Krout, John Allen. Aquatic games. Article (p218) from *Annals of American Sport* (*The Pageant of America*, v15); diving, p216; intercollegiate swimming meets, p217; other strokes, p216; perfecting the crawl, p215; vogue of swimming, p215; water polo, p218; Women's swimming association, p217. \$5.50. 360p *Yale Univ. Press.* 1929

Krsek, H. Mechanism and diagnosis of death by drowning. *Bratisl. lekár. listy.* March 1935

Kuelling, H. J. and Jeffrey, W. E. Construction and operation of swimming pools. (il, tables) Municipal. May 1937

Kugge de Derpt, Alexandre. L'école de natation, contenant une méthode facile pour apprendre à nager seul en fort peu de temps, destinée aux deux sexes et mise à la portée de tout le monde. 14p Paris, Rue Saint-Avoye 63. The Author. 1845

Kuhnert, J. Small town gymnasium and swimming pool. Playground. Aug. 1922

Kunkler, Gertrude Mae. Survey of available material on sports for women. Thesis. Peabody Col. 1935

Kuster, M. Bauliche Warmes für Schutz für Badeanstalten und Schwimmhallen. Gesundh.-Ing. 48:292-300. 1925

Kutscher, F. See Flössner, O. jt. auth.

L

Laberge, J. E. Hygiène des bains publiques. Union méd. du Canada. 47:171-8. 1918

Laboratory Tests. See Water Analysis

Laborde, J. V. Le traitement physiologique de la mort: les tractions rythmées de la langue. 187p Paris. 1894. *Reviewed adversely*: Brit. M. J. July 1894; also Lancet. Sept. 8, 1894

La Cava. Dermatite da bagno all'aperto o "dermatitis bullosa striata prae-

prat.). June 5, 1933

Lackey, J. H. See Egardner, Z. T. jt. auth.

Ladebeck, Hermann. Ladebeck's Schwimm-

schule. 94p Fleischer. 1878. 1880. 1884. 1888. 1892. 1900

Laisné, N. Traité élémentaire pour l'enseignement de la natation à sec et dans l'eau. 32p Hachette. 1868

Lake, Austen. See Atkinson, Leroy, jt. auth.

Lakes. See Pools and Bathing Places, beaches and water fronts; Pools and Bathing Places, municipal; Pools and Bathing Places, outdoor; Pools and Bathing Places, private; Pools and Bathing Places, Sanitation of; Recreational Swimming, facilities and leadership; Regulations; Regulations, state; Water Pollution, of streams, lakes and rivers; Water Purification

Lalyman de Varènnes, Joseph Etienne, comte de. L'apprentissage pratique de la natation. (il, diags) Nature. July 18, 1935

Éducation physique et natation. Comment vivre sous les eaux; ou, Les lois du sauvetage: le secret du plongeur. 271p Grasset. 1927

Lamb, Richard C. E. Position and stroke in swimming. Pop. Sc. 23:no.1 1883

Lambert, Thomas Scott. They are not dead. 120p Wright & Schondelmeier. 1879

LaMer, V. K. and Korman, S. Determination of acidity in heavy water mixtures. (bib, tables) Sc. (new series). June 26, 1936

Lami, G. Esami funzionali cardiovascolari. Riforma med. May 28, 1932

I fenomeni dell'allenamento. Riforma med. July 2, 1932

La Motte Chemical Products Company. A B C of pH (hydrogen ion) control. Free. La Motte Chem. Prod. Co. 1933

Land Drills. See Coaching, training; Teaching, land drills

Landon, Alice Lord. Swim with your children. (il) Par. Mag. Aug. 1930

Lane, F. W.; Bauer, A. D.; Fisher, H. F.; and Harding, P. N. Effect of oil pollution of coast and other waters on public health. Pub. Health Rep. July 11, 1924

—committee member. See U.S. Bureau of Mines, Committee on Oil Pollution

Lang, Andrew. See Peek, Hedley, jt. auth.

Lang, C. G. Swimming pools. Assoc. Men Sept. 1907

Lang, H. S. Pollution of swimming pools. Domest. Engin. June 15, 1929

Langlois, J. P. Second wind. Médecine. Sept. 1921

Langton, C. V. Problem of providing adequate medical supervision of varsity athletes by student health service. Proc. Am. Student Health A. Dec. 1931

Lankosz, J. See Franke, M. jt. auth.

Lanoue, F. R. Mechanics of fancy diving. Thesis. Springfield Col. 1936

Lanterns. See Pools and Bathing Places, Equipment for, floats and lanterns

Lapham, Mary Kathleen. Light princess—a pageant. Aquat. p26-9. 1931-32

La Porte, W. R. Physical education contributes to the seven cardinal principles. J. Health & Phys. Educ. March 1933

Study of relative values of thirty important activities in the physical education program for boys. Res. Quart. March 1931

Larkin, E. J. Importance of the spring-board. Swim. Times. July 1936

"Little bronze statue from Florida." Swim. Times. Dec. 1936

Pete Desjardins—the inimitable. Swim. Times. Dec. 1935

Pete Desjardins: the 1935 tour. Swim. Times. June 1935

Running commentary on Pete Desjardins' record breaking tour of the British Isles. Swim. Times. Sept., Oct. and Dec. 1935

Swimming gala organisation. Swim. Times. Oct. 1935

Latham, W. H. Swimming pool construction. (il) Am. Architect. Nov. 1936

Lathrop, John. Discourse, before the Humane Society in Boston. 34p Russell. 1787

Latour, De Baillet. XIth Olympiad. Swim. Times. April 1936

Laubmann, W. See Kestner, O. jt. auth.

Lauffer, Charles A. Resuscitation from electric shock, traumatic shock, drowning, asphyxiation from any cause, by means of artificial respiration by the prone pressure (Schaefer) method, with anatomical details of the method, and complete directions for self-instruction. 2nd ed. enl. 50c 90p Wiley. 1915

Laundry.

- EQUIPMENT, laundry machinery for public baths. (il) Baths & Bath Engin. April 1937
- laundry requirements for swimming baths. Baths & Bath Engin. Jan. 1937
- towel and costume dryer. Baths & Bath Engin. Feb. 1937
- OPERATION, directions for laundering and storing woolen suits. [Jantzen Knitting Mills] Swim. Pool Data & Ref. Ann. 5:73. 1937
- how Kansas City operates its school laundries. (il) [F. H. Barbee] Nation's Schools. Feb. 1929
- hygiene of the towel. [H. D. Pease and L. C. Himebaugh] Am. J. Pub. Health, Aug. 1930; *reprint* 25c 13p Am. Pub. Health Assoc.
- simple method for estimating available chlorine in bleaching powder. [B. B. Brahmachari] Indian M. Gaz. May 1927
- steam production for laundries. (il) Baths & Bath Engin. March 1938
- sterilizing tank suits and towels is an important procedure. [F. W. Frostic] Nation's Schools. April 1934

Laurgaard, O. Portland water-front development. (il, plans) Am. City. Aug. 1923

Lauritsen, K. See Steinhaus, Arthur H. jt. auth.

Laverty, Jack. Arms in the front crawl stroke. Swim. Times. July 1936

Crawl stroke. Swim. Times. June, July, Sept. and Oct. 1934 and April 1936

Swim all-the-year-round: a New Year's message from Mr. Jack Laverty, the well-known coach. Swim. Times. Feb. 1936

Law, J. S. Teaching diving. Am. Swimmer. Sept. 1922

Law, William H. Heroes of the Great Lakes. Pohl. 1906

Laws. See Legal Aspects; Regulations; Regulations, state

Lawson, Victor E. Stream line swimming and exercises. \$2 Wohlfahrt. 1936

Swimming. \$1.50 82p Lippincott. 1937

Lawson Department Y.M.C.A., Chicago, Illinois. First National Y.M.C.A. Aquatic Conference. Beach & Pool. Feb. 1937

Laxton, Laurence C. J. Olympic Games. Swim. Times. Sept. 1936

Lay, Charles Downing. Schedule of patronage, facilities and administration for a water front park. Am. City. March 1926

Swimming pools for country clubs. Architect. Forum. March 1925

Layeroun, R. L. Improved water sample bottle. Am. J. Pub. Health. April 1931

Layton, W. A. Fine swimming pool financed from city budget savings. Am. City. Feb. 1926

Lea, H. Margaret. April showers—a water pageant. Water Sports. p44-50. 1935-36

Gift of Lono. Camps & Camping. p80-3. 1931

Leach, David C. How to execute spring board dives. Beach & Pool. May 1932

Leadbeater, H. A.R.P. practice exercise at Paddington. Baths & Bath Engin. May 1938

Leadership for Recreational Swimming. See Recreational Swimming, facilities and leadership

Leahy. Art of swimming in the Eton style. (il) 99p Macmillan. 1875

Leahy, H. W.; Freeman, J. W.; and Katsanyes, C. P. Comparison of Dominick-Lauter test for *B. coli* in water with that of "standard methods"; final report. Am. J. Pub. Health. Nov. 1930

Leakage in Pools. See Pools and Bathing Places, Construction of, leakage

Leaky, H. W. Cotton guard rope in swimming pools as source of colon-aerogenes group. J. Am. Water Works Assoc. July 1932

Lear, H. S. Swim like a fish. (il) 109p Brown. 1938

Learn-to-Swim Campaigns. See Campaigns, learn-to-swim

Learn-to-Swim Charts. See Charts, learn-to-swim

Lease for Municipal Pool. See Pools and Bathing Places, Financial Aspects of, lease

Lebedukha, S. Verdunization. Gig. i sotsialist. zdravookh. (nos.2-3) 1:24-28. 1932

Lecknir, J. Three fancy dives introduced in United States. Beach & Pool. Aug. 1927

Leddy, E. T. and Johnson, E. Roentgen treatment of Plantar warts. Minnesota Med. Sept. 1933

Lee, J. Lee's Expert English angler with the abstracts of several acts of Parliament . . . also is affixed Dr. Franklin's Complete art of swimming, shewing the easiest manner of avoiding accidents, with fear . . . directions to divers and swimmers; and the means recommended by the Royal Humane Society, in cases of suspended animation: to which is annexed, An essay on skating. 14p London. The Author

Leffmann, H. Examination of water for sanitary and technic purposes. 3rd ed. \$1.25; 7th ed. rev. and enl. \$1.75 Blakiston. 1915

Legal Aspects

See also **Regulations; Regulations, state**

- circumstances under which operators may be held liable for drownings in public pools. [L. T. Parker] Municipal Sanit. Aug. 1931
- details of municipal pool lease. Beach & Pool. July 1935
- important legal opinion on pools. Am. City. Sept. 1928
- law relating to public baths and wash-houses. Baths & Bath Engin. Aug. 1936
- law relating to rivers pollution prevention. [A. Bebbington] M. Officer. Jan. 7, 1928
- laws and regulations of the kingdom of Norway relative to life-saving appliances and their use on ships. [Norway, Sjøfartskontoret] 15p Gov. Printing Off. 1912
Printed for the use of the Committee on Commerce.
- legal aspects of stream pollution problem. [J. H. Fertig] Am. J. Pub. Health. Aug. 1926
- legislation controlling pools. [D. M. Velez] An. Soc. mex. de oftal. y oto-rino-laring. June 1928
- plaintiff favored in municipal pool suit. Beach & Pool. Aug. 1935
- plans for enforcing swimming pool laws. [C. G. Gillespie] California State Dept. Pub. Health Bull. May 1917
- public baths and wash-houses; a treatise on their planning, design, arrangement, and fitting, having special regard to the acts arranging for their provision. (il, plans) [Alfred William Stephens Cross] 281p Batsford. 1906; \$7.50 Scribner's
- question of responsibility in drowning of pneumonia patient escaped from hospital; medicolegal study of case. [G. B. Maffei and F. Domenici] Arch. di antropol. crim. 58:213-18. 1938
- standards for pool legislation. [W. A. Manheimer] Med. Rec. March 9, 1918
- study of swimming in Utah: legislation. [C. F. Belliston] Thesis. Univ. Oregon. 1936
- swimming pool legislation and its compliance by operators. [C. W. Klassen] Beach & Pool. Feb. 1938
- verdict in polluted water case. [J. W. S. McCullough] Pub. Health J. Aug. 1926

HISTORICAL MATERIAL. See also **History; Life Saving, history and historical material**

- acts of Parliament relating to water undertakings. [E. K. Burstall] \$6 Oxford Univ. Press. 1879-88

Legge, R. T.; Bonar, Lee; and Templeton, H. J. Incidence of foot ringworm among college students. J. Am. Med. Assoc. July 20, 1929

Ringworm of the feet. J. Am. Med. Assoc. May 4, 1929; *also* Mind & Body. July 1929

Legislation Regarding Pools and Bathing Places. See **Legal Aspects; Regulations; Regulations, state**

Lehmann, L. J. Der kleine Schwimmer. Hamburg, Germany. 1845

Lehmann, R. Das Herz der Hochgewachsenen und der Jugendsport. Leibesübungen. Feb. 20, 1934

Leighton, John. Swimmer's hand-book; wherein are many valuable precepts, which, if the reader strictly follow, he will soon become an expert swimmer. 56p Tyas; Menzies. 1838(?) Routledge. 1841
Reprinted under title *Swimming* in Routledge Six-penny Handbooks.

Leighton-Holmes, E. New methods of water treatment. Baths & Bath Engin. April 1938

Leigh-Wood, James; Fern, H. E.; Faulds, John; and Herschorn, H. E. Empire Games messages. Swim. Times. Aug. 1934

Lein, Alexandre and Le Roy, Georges. Rowing—natation. (il) 392p Laftie. 1912

Leis, H. Asphalting in open-air pools. Baths & Bath Engin. March 1938

Leisure Use of Swimming. See **Recreational Swimming, leisure use**

Length of Time for Swims. See **Curricula, program-planning**

Lenoch, F. Das Piszinenbad als Mittel zur Wiedererreichung der Steh- und Gehfähigkeit. Ztschr. f. Kurortwis. June 1932

Leo, L. Coming of the crawl. Swim. 3: 133-34. Dec. 1916

Crawl swimming stroke. Country Life. Nov. 1, 1910

Leonard, F. E. Guide to the history of physical education. \$4 Lea & Febiger. 1923. 1927

Leopold, F. B. Filtration of water. Pittsburgh Mfg. Co. 1906

Leroux, Lucien. L'hygiène dans les piscines. Rev. d'hyg. Oct. 1934

Le Roy, Georges. See **Lein, Alexandre, jt. auth.**

Lesher, M. G. Heart in relation to physical education. J. M. Soc. New Jersey. Dec. 1932

Lesions from Drowning. See **Drowning, lesions from**

Lesson Plans. See **Teaching, lessons**

Lester, Judy. History and development of swimming. Thesis. Peabody Col. 1932

Lestonnat, R. Sauvetages dans la tempête. (il) L'illustration. Dec. 21, 1929

Letton, H. P. See **Spencer, Roscoe Roy, jt. auth.**

Leuf, A. H. P. Status of physical education. Mind & Body. March 1894

Leverell, W. H. Swimming and swimmers by a practical swimmer. London Soc. 1866(?)

—(comp). Swimming and swimmers: a manual compiled under the sanction of the London Life Saving Club, with an account of the progress of the art during the last twenty years, and a short notice of the swimming baths of the metropolis. 44p London Life Saving Club. 1861; also London, 29 Bedford St. The Compiler

Levi, M. and Sapegno, E. La perspiratio insensibilis dopo il bagno di mare. Boll. d. Soc. Ital. di biol. sper. March 1930; also Arch. di sc. biol. Dec. 1932

Levin, O. L. and Silvers, S. H. Possible explanation for localization between toes; hydrogen ion concentration of interdigital spaces of feet. Arch. Dermat. & Syph. Sept. 1932

Levine, David D. Athlete's foot, the constant invader. Hygeia. Aug. 1936

Levine, Max. Further observations on the eosin-methylene blue agar. J. Am. Water Works Assoc. March 1921; reprint Iowa State Col. Contribution No. 13, Engineering Experiment Station. 1921

Notes on experiences with the presumptive and confirmatory tests for *B. coli* in water analysis for the American Expeditionary Forces. J. Am. Water Works Assoc. March 1920; reprint Iowa State Col. Contribution No. 12, Engineering Experiment Station. 1920

Sanitary control of swimming pools. J. Infect. Dis. 18:no3; reprint 14p Iowa State Col. 1916

Studies on *Bacterium coli* and closely related forms. Ph.D. Thesis. 342p Univ. Iowa. 1922

—and Werkman, C. H. *Bacterium coli* and *Bacterium aerogenes* in swimming pools. J. Am. Water Works Assoc. July 1923

Lewald, Theodor. XIth Olympiad: a call to Berlin from Dr. Theodor Lewald. Swim. Times. Feb. 1936

Lewis, R. Our "scintillating" stars at Antwerp. Outing. Jan. 1921

Lewis, Richard. History of the life-boat, and its work. 226p Macmillan & Co. 1874

Lewis, T. See Cotton, T. F. jt. auth.

L'Hommedieu, K. E. Survey of the status of recreational aquatics in the Y.M.C.A. Thesis. Springfield Col. 1937

Lieb, F. Über die Verwendung der oligodynamischen Wirkung des Silbers in der Hygiene des Wassers. Arch. f. Hyg. Nov. 1937

Liehr, A. See Parade, G. W. jt. auth.

Lifeboats. See Life Saving, equipment

Life Saving
See also Congress, International; Curricula; Drowning; Resuscitation; Safety; Teaching

—[Wm. J. Davids] Masters, Mates and Pilots Rev. p25;27;29. 1919

—[Girl Scouts, Inc.] Chapter (p347-65) from Girl Scout Handbook. 60c 575p Girl Scouts. 1933

—[George Edward Goss] Thesis. Springfield Col. 1914; also \$1. 1916; \$1.75 152p Assoc. Press. 1918

—[Arthur Reynolds Knott] 25c 41p Freeman's J. Co. 1915

—[W. E. Longfellow] Beach & Pool. April 1929. Summary Am. Phys. Educ. Rev. May 1928

—[N. Thorpe] Swim. Jan. 1925

—accidents and how to save life. (il) 25c Rand McNally

—and water safety. [American Red Cross] 60c 267p Blakiston. 1937

—and water safety. [Gustave L. Stecher] Mind & Body. July 1926

—annotated bibliography of. [Henry Donofrio] Mimeo. Teachers Col. 1933
Available only from Teachers College library.

—aquatic field as advised by the Red Cross Courier: beach demonstrations and lectures on life saving and water safety. Beach & Pool. Jan. 1937

—beretning om det danske redningsvæsens virksomhed (efficiency of the Danish life saving methods). [Denmark, Marineministeriet] Denmark, Marinemin. Annual since 1895

—better holds and grips aid rescue of persons near drowning. Pop. Mechan. Aug. 1924

—booklet. [Girl Scouts, Inc.] 15c Girl Scouts

—breast stroke and. [O'Neil] Swim. Sept. 1925

—crisis under water; reply to D. Tomlinson. [P. B. Sears] Sc. (new series). Jan. 24, 1936

—drowning man is crazy: be firm with him. [Frank E. Dalton] Lit. Dig. July 12, 1930

—every one a life saver. [D. F. Smiley] Nation's Health. Aug. 15, 1925

—every swimmer a life saver. [H. F. Enlow] Michigan State Health Bull. Aug. 1925

—experimental. [E. E. Boushey and H. S. Hoyman] J. Health & Phys. Educ. April 1934

—expert science. (il) [W. B. Peet] Harper's W. Sept. 5, 1908

—explanation of the required tests. [National Collegiate Life Saving Society] Swim. Guide. p53-7. 1938

—fish-eye view. [Carroll L. Bryant] Scholastic. Feb. 20, 1937

—help! help! [Fred C. Mills] Saf. Educ. June 1932

—how to save a drowning man. [A. Meffert] Outing. Aug. 1902

—how to save a drowning person. [Gerald Barnes] Lit. Dig. April 7, 1923

—how to save the drowning. [L. de B. Handley] Outing. Aug. 1916

BIBLIOGRAPHY OF SWIMMING

Life Saving—Continued

- in Chicago and the Mid-West. [Donald H. Barnett] Beach & Pool. Oct. 1937
- instruction for 1929. [American Red Cross] A.R.C. 1929
- land drills. [American Red Cross] Free. A.R.C.
- life saving and aquatics in Y.M.C.A. Phys. Train. June 1924
- life saving—everyone should swim by safety rules and know rescue methods. Lit. Dig. June 5, 1937
- life saving from drowning. Outing. Aug. 1904
- life-saving with photographs. Lit. Dig. Nov. 26, 1921
- lowering life-saving service bill. Pa. 10c Gov. Printing Off.
- made easy. [H. C. Hopkinson] 6d. Heffer. 1934
- mechanics in. [T. W. Sheffield] Beach & Pool. May and June 1936
- methods. [George Edward Goss] Free. A.R.C. 1925
- methods of recovering cadavers from water. [P. Chavigny] Ann. de méd. lég. April 1935
- needs of the life-saving service. (il) [F. Rice, Jr.] New England Mag. May 1908
- points and cues in teaching. [H. S. DeGroat] Am. Phys. Educ. Rev. June 1923
- principles of. [Paul W. Gartner] Sportsman. June 1931
- project. [Roger W. Wheeler] Beach & Pool. Feb. 1937
- reasons for which students were excused from compulsory life-saving swimming courses during winter semester, 1936-1937, at University of Freiburg. [A. Albert] Med. Klin. 33:1137-40. Aug. 20, 1937
- Red Cross methods. [American Red Cross] Free. 28p A.R.C. Rev. March 1932
- relation to general athletic and swimming problems in camp and school. [W. H. Barrow] Mind & Body. May 1922
- reports on the life-saving service on the coasts of Great Britain and northern Ireland. [Great Britain Board of Trade] His Majesty's Stat. Off. Issued irregularly.
- rescue of the drowning. U.S. Nav. M. Bull. (supp) no.5, 25-31. 1918
- rescuing the drowning. [R. E. May-sack] Health. June 1923
- résumé of practical and theoretical. [Earl W. Douglas] Beach & Pool. Oct. 1932
- retail or wholesale. [H. N. Calver] Mind & Body. Feb. 1929
- Rettungsschwimmen in Bildern und Merkworten. (Rucksack-Bücherei 11). (life-saving swimming in pictures and spot passages). [P. Kellner] Koehler & Volckmar. 193-(?)
- save the drowning. [W. J. Schubert] Ladies' Home J. July 1923
- successful. [H. O. Hayes] Rev. of Rev. March 1936
- summer club. [M. G. Bonner] St. Nichol. July 1916
- surf life saving handbook. (il) [Surf Life Saving Association of Australia] 1s 192p (varies). New South Wales Sports Club, 7th ed. rev. 1929; 9th ed. rev. 1935; 10th ed. rev. 1938
New revisions issued regularly.
- swimming and life saving. [William Wilson] Brigadier. June-Sept. 1901
- tests and standards required to qualify for the life-saving diploma. [National Collegiate Life Saving Society] Swim. Guide. p52. 1938
- tricks of life saving. (il) Pop. Mechan. May 1931
- twelve hour course in. [W. E. Longfellow] Am. Swimmer. Jan.-May 1922
- Wasser-Rettung. Ratgeber für Rettungsschwimmer und Nothelfer und alle, die es werden wollen! (life saving. Adviser for a life-saver and helper in time of need, and for all who wish it!). [Alb. Keck] Koehler & Volckmar. 1935
- water tragedies (the neck locks). Outing. July-Aug. 1920
- what would you do? [Paul W. Gartner] Field & Str. June-July 1932
- AMERICAN RED CROSS.** See also Aquatic Schools; Life Saving, history and historical material; Safety; Safety, in camps; Teaching
- [American Red Cross] Free. A.R.C. May 1926
- contest rules. [American Red Cross] Free. A.R.C.
- corps for men and women. [American Red Cross] Free. A.R.C.
- educational values of program. [H. G. Metcalf] Am. Phys. Educ. Rev. April 1925
- first aid and life saving service: report of yearly activities. [American Red Cross] Pa. 7p (varies) A.R.C.
Reprint from Annual report of the American National Red Cross.
- instruction for 1929. [American Red Cross] A.R.C. 1929
- instructors manual. [American Red Cross] 48p A.R.C. Feb. 1929
- John McDonald conducts A.R.C. course. Beach & Pool. July 1935
- junior crews for boys and girls. [American Red Cross] Free A.R.C.
- learning to save lives; Aquatic Schools. (il) [Frank Howard Richardson] Hygeia. July 1937
- life saving and water safety. (il) [American Red Cross] 60c 267p Blakiston. 1937
- life saving and water safety, with a brief discussion of the early history and work of the American Red Cross. [Gustave L. Stecher] Mind & Body, July 1926

- methods. [American Red Cross] Free 28p A.R.C. Rev. March 1932
- rules governing contests. [American Red Cross] Am. Phys. Educ. Rev. June 1928
- twelve hour course. [W. E. Longfellow] Am. Swimmer. Jan.-May 1922
- 20 years of life saving service. [W. E. Longfellow] Beach & Pool. March-April 1934
- AT SEA. See also Life Saving, U.S. Coast Guard
- au péril de la mer (on the perils of the sea). [Albert Pierre Hippolyte Joseph Paluel-Marmont] 250p Nouv. Soc. 1933
- Britain's life boats; official history of the Royal National Life Boat Institution. [A. J. Dawson] Hodder & Stoughton. 1923
- general assembly of savers of wrecked ships. [G. d'Houville] Rev. Deux Mon. June 1, 1937
- lifeships: showing Marston Niles' honeycomb hollow deck (or mezzanine deck) system of horizontal watertight compartments above the waterline, or of substitutes in place thereof, for rendering a ship (and any severed parts of her) unsinkable. [Marston Niles] 10p Brunswick. 1912(?)
- Norwegian regulations respecting means of saving life at sea. [Norway, Sjøfartskontoret] 13p Gov. Printing Off. 1912
Printed by order of the Committee on the Merchant Marine and Fisheries.
- promotion of safety to life at sea. [U.S. Department of Commerce] 8p 1913
Letter from William C. Redfield, Secretary of Commerce, relating to the international conference and the promotion of safety to life at sea.
- règlements concernant les engins de sauvetage (regulations concerning the apparatus of life saving). [Canada Department of Marine and Fisheries] 52p Acland. 1929
- report of the departmental committee on boats and davits. [Great Britain Board of Trade, Committee on Boats and Davits] 33p His Majesty's Stat. Off. 1913
- ships' boats, their qualities, construction, equipment, and launching appliances. [Ernest Walter Blockside] 500p Longmans. 1920
- to lower life boats safely. Lit. Dig. Oct. 4, 1924
- AUSTRALIAN, surf life saving handbook. (il) [Surf Life Saving Association of Australia] 1s. 192p (varies). New South Wales Sports Club
New revisions issued regularly.
7th ed. rev. 1929; 9th ed. rev. 1935;
10th ed. rev. 1938.
- CANADIAN, of Sable Island, Nova Scotia. [Arthur P. Silver] Chambers's J. 1904(?)
- CHARTS, See also Resuscitation, charts
—[John Geishe] Charts. 75c Berkeley A.R.C.
- row—throw—go—tow. [American Red Cross] Poster. Free. A.R.C.
- CONFERENCE, Red Cross Life Saving Corps of New England. First annual conference. Am. Swimmer. Feb. 1922
- CONTESTS, New England life saving contests. Am. Swimmer. June-Aug. 1922
- rules. [American Red Cross] Free. A.R.C.
- rules governing. [American Red Cross] Am. Phys. Educ. Rev. June 1928
- some observations on life-saving time trials. [Albert C. Gordon] Beach & Pool. Jan. 1937
- DANISH, [Denmark, Kommissionen V-drørende Redningsvaesen, 1925] 91p Schultz. 1926
- beretning om det danske redningsvaesens virksomhed (life saving and the efficiency of the Danish life-saving methods). [Denmark Marineministeriet] Denmark, Marinemin. Annual since 1895
- livredning (life saving). [Holger Nielsen] 88p Gyldend. Boghand. Nord. Forlag. 1937
- ENGLISH ROYAL. See also Life Saving, history
- handbook of instruction. (il) [Royal Life Saving Society of England] 1st ed. 1891; 19th ed. 1s 6d. 200p Roy. Life Saving Soc. 1932
- in 1934. [Sidney J. Monks] Swim. Times. June 1935
- Royal Life Saving Society. [A. E. Biscoe] Swim. Times. Aug., Sept., Oct. and Dec. 1936 and May, Aug., Sept., Oct. and Dec. 1937
- throughout the British Empire. [Sidney J. Monks] Swim. Times. Aug. 1934
- EQUIPMENT, apparatus of the United States Life Saving Service. (il) [W. Fawcett] Sc. Am. Dec. 29, 1906
- appliances. [Great Britain Board of Trade] 20p His Majesty's Stat. Off. 1914
- appliances [Great Britain Board of Trade, Advisory Committee on Life Saving Appliances] 16p His Majesty's Stat. Off. 1909
- appliances and safety of life at sea. [Great Britain Board of Trade, Advisory Committee on Life-saving Appliances] 175p His Majesty's Stat. Off. 1912
- competition for device. [W. Ker] Sc. Am. Jan. 27, 1900
- Doenvig's life-saving globe. Sc. Am. May 28, 1904
- governmental tests of the Ingersoll patent self-righting and bailing, unswampable, fireproof, metallic life launch and lifeboat; official reports

Life Saving—Continued**EQUIPMENT—Continued**

and opinions in relation to the Ingersoll boat. . . Admiral Porter, Commander Ackerman, and others on the need of good lifeboats. [Oliver Roland Ingersoll, comp] 136p Judd & Detweiler. 1909

—grappler. [M. Wharton] Sunset May 1924

—gross life-belt. (il) [A. F. Collins] Sc. Am. Jan. 14, 1905

—kites in life-saving operation. Sc. Am. March 9, 1907

—life-boat and its story. [Noël T. Methley] 318p Sidgwick & Jackson. 1912

—life-boat knowledge. [Robert Huntington] 38p Staten Island, N.Y. The Author. 1935

—new aids for our life savers. [W. Fawcett] Indep. March 6, 1913

—new types of lifebelts. (il) Sc. Am. March 28, 1908

—novel life-saving apparatus. (il) Sc. Am. Feb. 13, 1909

—paddle boards. [Edgar H. Carroll] Beach & Pool. June 1933

—Poolak prize for life-saving devices. Sc. Am. Dec. 1, 1900

—rails and life-preservers. [U.S. Congress, House Committee on Merchant Marine and Fisheries] 59p Gov. Printing Off. 1908

—report on appliances, training and organisations, December, 1922. [Great Britain Board of Trade, Advisory Committee on Life-saving Appliances] 52p His Majesty's Stat. Off. 1923

—rocket apparatus for saving life from shipwreck. [Great Britain Board of Trade] 54p His Majesty's Stat. Off. 1927

—romance of lighthouses and lifeboats. (il, diags) [Thomas W. Corbin] 311p Lippincott. 1926

—rules and regulations of the Board of Life-saving Appliances. [U.S. Board on Life-saving Appliances] 4p U.S. Board on Life-saving Appli. 1912

—surf-board. [W. E. Longfellow] Am. Swimmer. June-Aug. 1923

—survey of life saving appliances. [Great Britain Board of Trade] 210p His Majesty's Stat. Off. 1936

FOR WOMEN, life-savers. W. E. Longfellow] Ladies' Home J. June 1920

—life saving at Girl Guide camps: an open letter to women swimmers. Swim. Times. May 1934

—schools for. [William G. Brock] Lit. Dig. Sept. 19, 1925

FRENCH, [Herbert G. Alphonse] Beach & Pool. March 1938

HEROISM, Albert Rese has saved nearly 800 lives. [T. Wilson] Am. June 1924

—boy with the United States life savers. [F. W. Rolt-Wheeler] \$1.50 Lothrop Pub. Co. 1915

—brave men all; tales of great courage. [Gordon Campbell] 307p Hodder & Stoughton. 1935

—has saved seven thousand lives. Am. Swimmer. Feb. 1922

—heroes of the Great Lakes. [William H. Law] Pohl. 1906

—heroes of the surf. [John R. Spears] Outlook. March 7, 1903

—heroines of the surf. [John R. Spears] Harper's Baz. Aug. 18, 1900

—life-savers. (il) [A. W. Stace] St. Nichol. Nov. 1908

—life savers of Cape Cod. [John Wilfred Dalton] 152p Barta. 1902

—life-savers of the Goodwin sands. [W. Wood] Harper's Mag. Feb. 1912

—life-savers old and young. [G. Kobbé] St. Nichol. April 1901

—life-savers of old Malabar. (il) [W. Inglis] Harper's Mag. Jan. 1908

—man's job. [W. A. Dyer] Collier's. June 2, 1923

—memoirs of a life guard. [Frank E. Walton, jr.] \$2.50 240p Dutton. 1935

—rescue. (il) [Rupert Sargent Holland] 335p Macrae Smith. 1932

—save three hundred lives. [V. Dyson] Am. July 1914

HISTORY AND HISTORICAL MATERIAL. See also History

—address to the King and Parliament of Great Britain on preserving the lives of the inhabitants; also hints for restoring animation by an improved plan. [A. Fothergill and W. Hawes] London. 1783

—best means of saving swimmers from drowning. [R. H. Wallace Dunlop] London. The Author. 1881. *Reprint* 1883
Written for annual report of the Royal Humane Society.

—Chinese life-boats. [Chinese Inspectorate General of Customs] 68p Insp. Gen. Customs. 1893

—coast signal service on the Atlantic and Gulf coast of the United States. [U.S. Navy Department] 6p Gov. Printing Off. 1898

—description and sketch of the geometrical floating life-belt, or life-preserver. London. 1849

—development of the United States Life Saving Service. [John R. Spears] New York Times. June 24, 1904

—dissertation on the preservation from drowning; and swimmer's assistant. A new invention, simple, commodious, and of small expence . . . adapted to principles established by experiments, and proved by trials. Together with an useful account of losses of lives by water. [R. Macpherson] 2s. 6d. 131p Murray. 1783

—English seamen and divers. [Henri François Alphonse] 322p Chapman & Hall. 1868

- essay on the preservation of shipwrecked persons. (ii) [George W. Manby] 94p Longman, Hurst and others. 1812
- heroes of the Goodwin sands. [Thomas Stanley Treanor] 255p Religious Tract Soc. 1892
- hydro-aeronaut, or navigator's life-buoy: being an easy and effectual method of preventing the loss of lives by drowning, in cases of shipwreck, and others. [Thomas Cleghorn] 210p Richardson, J. M. 1810
- instructions for saving drowning persons by swimming to their relief. Life-boat 1864(?)
- letter from William A. Newell, originator of the U.S. Life Saving Service in 30th Congress to Hon. William J. Sewell. [William A. Newell] 22p Meyer & Noll. 1898
- life-boat, and its work, including a history of the National Life-boat Institution and its regulations. [Richard Lewis] 226p Macmillan & Co. 1874
- life boat, and other life-saving inventions. [Robert Bennet Forbes] 20p Williams & Co. 1880
- life-boats, projectiles and other means of saving life. [Robert Bennet Forbes] 163p Lunt. 1872
- life saving a hundred years ago. *Swim. Times.* July 1934
- life-saving appliances, and military and naval constructions. [James L. Pond, comp] 36p Slater. 1885
- life-saving inventions. [U.S. Commission on Life-Saving Inventions] 48p Gov. Printing Off. 1868
- life-saving, its agents and service. [Samuel Sullivan Cox] Congressional Rec. 1879
p 1-4. Speech in House of Representatives, Feb. 10, 1879 (45th Congress).
- life saving service, inception, development and achievements. [Horace L. Piper] Tech. World. 2:1-9. 1904
- life saving society's handbook. [Archibald Sinclair and W. Henry] 1891. Rev. 1893. 1894
- methods for rescue and resuscitation. [M. L. Ewes] Pearson's Mag. July 1899
- methods of saving life from drowning. [John Strickland] 28p Hurren. 1878
- of the Red Cross. [G. Milsom] World's Health. Jan. 1922
- organization and methods of the United States Life Saving Service. [Sumner Increase Kimball] 33p Gov. Printing Off. 1890. 1912
- preservation of life at sea. [Theodorus B. M. Mason] 38p Am. Geog. Soc. 1879
- preservation of shipwrecked mariners. [A. Fothergill] London. 1799
- report of a special committee of the Philadelphia Board of Trade, in relation to the life-saving stations, upon the coast. [Philadelphia Board of Trade, Committee on Lights and Harbors] 28p Philadelphia Board of Trade. 1860
- report on life saving ordinance and appurtenances. [D. A. Lyle] Gov. Printing Off. 1878
- report on the material of life saving. [E. Perignon] Paris. 1881
- reports of the Royal Life Saving Society of England. [Royal Life Saving Society of England] Roy. Life Saving Soc. Issued annually since 1893
- Rogers' Life-saving signal book: or, Appendix to the American code; for the use of life-boat stations and vessels in distress, also for making international communications between vessels of different nations, at sea, or off the coast, during periods of calms, light winds, storms, or rough weather. [Henry J. Rogers] 70p Rogers; Blunt. 1865
- romance of life preservation. [James Burnley] 473p Allen. 1888
- saving life from drowning: written in honour of the visit of W. Henry and other members of the Life Saving Society to Sweden. [Arvid Ulrich] 14p Dagbladet. 1898
- story of a U.S. Life-saving Service keeper. [Richard H. Ryder] 200p Patton. 1891
- story of the United States Life-saving Service. [James Otis Kaler] 327p Dutton. 1899
Written under pseud. (James Otis).
- swimming and life saving. [Sydney Holland] Badminton Mag. July 1896
- swimming and saving. [Riccardo Stephens] Young England. Aug. 1895
- Taschenbuch zur Lebenssicherung und Lebensrettung (handbook of protection and life saving. [J. Poppe] Tübingen, Germany. 1827
- die Thätigkeit der Deutschen Gesellschaft zur Rettung Schiffbrüchiger in den Jahren 1865 bis 1891 (deeds of the German society toward the rescue of shipwrecked persons in the years 1865 to 1891). [Emil Blenck] 17p Koebke. 1892
- U.S. Life-saving Service; annual report of operations. Gov. Printing Off. Annual since 1876
- when you see a man drowning how to save his life. [Charles K. Merton] Penny Pict. Mag. July 29, 1899
- IN POLICE DEPARTMENTS, new emphasis on. [W. E. Longfellow] Am. City. Nov. 1927
- IN STORMS, life saving in a storm. [R. Lestonnat] L'illustration. Dec. 21, 1929

BIBLIOGRAPHY OF SWIMMING

Life Saving—Continued

IN STORMS—Continued

- storms and shipwrecks in Boston Bay and the record of the life savers of Hull. [Fitz-Henry Smith, Jr.] 60p Boston, Mass. The Author. 1918
- IN SYRIA**, classes. [Mabel S. C. Smith] Mind & Body. July 1926
- INTERNATIONAL CONGRESS**, Congrès International de Sauvetage. Compte rendu des travaux du Congrès, tenu à Paris, les 12, 13, 14, 15 et 17 juin 1889 (International Congress of life saving. Report of the work of the Congress held at Paris the 12, 13, 14, 15 and 17 of June, 1889). [Congrès International de Sauvetage, Paris, 1889. Committee composed of Émile Cacheux, Potel, Guibillon, Guillemin, de Baecker, Hamon and Chagnard] 246p Bib. Ann. Économ. 1890
- International Life-saving Congress. Sc. Am. March 14, 1908
- NATIONAL COLLEGIATE LIFE SAVING SOCIETY**, explanation of the required tests. [National Collegiate Life Saving Society] Swim. Guide. p53-7. 1938
- tests and standards required to qualify for the diploma. [National Collegiate Life Saving Society] Swim. Guide. p52. 1938
- ON COAST, coast patrol. (il) [A. Hewitt] Outlook. March 4, 1905
- of Florida. [Charles E. Harman] Beach & Pool. March 1938
- PENTATHLON**, [W. H. Ball] Phys. Train. Oct. 1915
- QUALIFICATIONS**. See also Life Saving
—are you a life saver? [A. W. Coale] St. Nichol. June 1919
- merit badge examinations. [Boy Scouts of America] 10c Boy Scouts. 1919
- qualifying standards for life guards. [Herbert G. Allphin] Swim. Pool Data & Ref. Ann. 6:67. 1938
- STANDARDS FOR SUMMER CAMPS**. See also Curricula, camps; Safety, in camps
- [Camp Directors Association, Swimming Committee, and F. W. Luehring] 1920. Free. 12p Camp Dir. Assoc. Rev. 1921. 1922. 1923. 1927. 1928
- TESTS**. See Life Saving; Tests
- U.S. COAST GUARD**, annual reports. [U.S. Coast Guard] Gov. Printing Off.
- Coast Guard: summary of operations for fiscal year 1937; extract from annual report of the Secretary of the Treasury. [U.S. Treasury Department] Pa. Free. 10p Gov. Printing Off. 1938
- directions for . . . saving drowning persons by swimming to their relief. [U.S. Coast Guard] 5c 12p Gov. Printing Off. 1899. 1901. 1909. 1922
- instructions for United States Coast Guard stations, 1921. [U.S. Coast Guard] 269p Gov. Printing Off. 1921
- instructions to mariners in case of shipwreck, with information concerning the life-saving stations upon the coasts of the United States. [U.S. Life-saving Service] 56p Gov. Printing Off. Rev. 1908
- list of stations of the Coast signal service on the Atlantic and Gulf coasts of the United States. [U.S. Navy Department] 6p Gov. Printing Off. 1898
- United States Coast Guard: establishment, duties, activities and statistical record. [U.S. Coast Guard] Pa. Free. 15p Gov. Printing Off.
- U.S. VOLUNTEER**, annual report. [U.S. Volunteer Life Saving Corps] U.S. Volunteer Life Saving Corps
Annual reports have been issued from Albany, N.Y., and Providence, R.I. Dates uncertain.
- growth of. [W. E. Longfellow] Swim. Feb.-March 1925
- United States Life Saving Service. [Winifred Elizabeth Judge] 1910
Paper given before the Society for Political Study of New York.
- Y.M.C.A.**, distribution of nationally authorized examiners in United States. [Henry F. Kallenberg] Phys. Train. April 1927
- national survey of program. [D. S. Stone] Thesis. Springfield Col. 1937
- Lighting Pools and Bathing Places**. See Pools and Bathing Places, Lighting of
- Like, O.** Ringworm infection of feet. U.S. Vet. Bur. M. Bull. July 1931
- Liljestrand, G. and Lindhard, J.** Heart during swimming. Svenska läk.-sällsk. handl. Sept. 1918; *abstract* Dec. 7, 1918
- and Stenström, N. Physiology of swimming. Svenska läk.-sällsk. handl. Sept. 1918
Studien über Physiologie des Schwimmens. Scand. Arch. f. Physiol. 39: 1-63. 1919
- Linden, H.** Krankheit und Krankheitsverhütung als Problem des öffentlichen Badewesens. Arch. f. soziale Hyg. u. Demog. 7:310-15. 1932
- Lindhard, J.** See Liljestrand, G. jt. auth.
- Lindhard, J.** Artificial respiration according to Nielsen method. Ugesk. f. laeger. Jan. 18, 1934
Some remarks on artificial respiration after the Holger Nielsen method. Translation into English from Ugesk. f. laeger. Nov. 3, 1934. 7p Hellerup, Denmark. Holger Nielsen
- Lindley, Tom.** Pre-cleansing of persons using the swimming pool. Baths & Bath Engin. May 1938
- Lindsay, John.** Philosophy of bathing, with remarks on river and sea bathing. Orr & Sons. 1838
- Ling, W. P.** Keratitis punctata superficialis and swimming pool conjunctivitis; discussion on some cases in Chinese. Chinese M. J. Oct. 1936
- Link, E. C.** See Fletcher, A. H. jt. auth.

Lipovetz, Ferd. John. Teaching of swimming, diving and water sports. Mimeo. \$2.75 Burgess. 1937

Lippert, J. It pays to play. (il) Scholastic. May 16, 1936

Rhythm and precision in diving. Scholastic. Nov. 17, 1934

Speed in the water. Scholastic. March 2, 1935

Litterer, W. Simplified procedure in determining *B. coli* in water (presumptive test). Am. J. Pub. Health. April 1928

Littlejohn, H. Contribution to the study of the post-mortem appearances in the drowned. (6pl). Edinburgh M.J. n.s. 13:123-39. 1903

Livingstone, Alfred. History and development of intercollegiate swimming. Thesis. Springfield Col. 1922

Study of the effects of inter-collegiate swimming on the sinuses. Thesis. New York Univ. 1931; also Res. Quart. March 1932

Lloyd, Frank S. Swimming's place in education. Beach & Pool. Sept. 1937

—Deaver, G. G., and Eastwood, Floyd R. Safety in athletics. \$3.25 432p Saunders. 1936

Swimming and diving, p95.

Lloyd, S. C. Municipal public baths in England and the United States. Indep. Jan. 3, 1901

Load Capacity of Pools. See Pools and Bathing Places, Operation of, load capacity

Lock. See Ward, jt. auth.

Lockers. See Pools and Bathing Places, Equipment for, lockers and storage

London School Board. Report of the physical education sub-committee on bathing accomodations and swimming classes. 42p London. 1890

London Swimming Club. Swimming record. 18-(?)

Appeared for several years about 1870-1890. Best records available are of issues of 1873.

Lonergan, Augustine, chairman. See Conference on Stream Pollution and Stream Purification

Long, F. M. Desirable physical facilities for an activity program. \$1.50 Bur. Publications. 1933

Longfellow, W. E. All year activities for swimming pools. Beach & Pool. June 1931

Aquaplaning—a popular addition to the camp aquatic program. Camping. May 1936

Beach safety laboratory. Beach & Pool. June 1932

Conducting beachside schools in water safety. Beach & Pool. Oct. 1936

Conquering the water. Sport St. July 22, 1927

Cooperation, the keynote of American swimming program. Beach & Pool. March 1936

District swimming school. Section (p47-55) from Book of Aquatics. 63p Camp Fire Outfit Co. 1925

English pools. Beach & Pool. Dec. 1929

Every day should be water-safety day. Beach & Pool. May 1934

Everyone should know about preventing suffocation. Am. Phys. Educ. Rev. Sept. 1928

Fool proofing a swimming pool. Beach & Pool. Oct. 1935

Freedom of the water. Free. A.R.C.

Growth of volunteer life saving in America. Swim. Feb.-March 1925

How swimming grew up. Free. A.R.C.

International Swimming Clinic. Beach & Pool. Dec. 1934-Jan. 1935

Judgment of Neptune. Am. Phys. Educ. Rev. June 1928

King Neptune likes live people: an interview with the sea king. Saf. Educ. June 1927

Life saving. Beach & Pool. April 1929.

Summary Am. Phys. Educ. Rev. May 1928

New emphasis on life-saving and first aid in police department training. Am. City. Nov. 1927

Night in Hawaii. Free. A.R.C.

Real water babies. Am. Swimmer. Jan.-Feb. 1922

Safe boat and canoe equipment for camps. A.R.C. 1932

Showing Neptune. Free. 4p A.R.C.

Surf-board as a safety appliance. Am. Swimmer. June-Aug. 1923

Swimming instruction through water plays and pageants. Am. City. July 1926

Swimming on the border. Beach & Pool. Oct. 1931

Three months indoor swimming program. Am. Swimmer. Nov.-Dec. 1923

Twelve hour course in life saving. Am. Swimmer. Jan.-May 1922

20 years of life saving service. Beach & Pool. March-April 1934

Water games for pool or open water. Am. Swimmer. Jan. 1923

Water gate. A.R.C.

Water pageant: program for opening swimming pool. Am. Swimmer. Feb. 1923

Water plays and pageants help swimming grow. Mind & Body. Sept.-Oct. 1924

Water safety. Beach & Pool. Oct. 1935

Waterproofing Americans. Am. Phys. Educ. Rev. June 1928

What swimming pools mean to America. Beach & Pool. Nov. 1932

Women life-savers. Ladies' Home J. June 1920

Loos, J. W. Comparative value of Schäfer and Sylvester methods of artificial respiration. Nederl. tijdschr. v. geneesk. March 31, 1934

BIBLIOGRAPHY OF SWIMMING

Lord and Burnham Company. Glass swimming pool enclosures. Municipal Ind. p594-5, 742-3. 1930

—See Alexander, Becker and Schoeppel, Inc. jt. auth.

—See American-Moninger Greenhouse Manufacturing Corporation, jt. auth.

Lorentz, F. H. Zum Bau von Schwimmanhallen. Techn. Gemeindeblatt. June 25, 1931

Lorentz, G. G. Modern swimmin' hole. Health. May 1923

Los Angeles Aquatic Institute. See Aquatic Schools, American Red Cross

Lossagk, H. Turmspringen. Ein Leitfaden und Lehrgang für Turmspringer und Sprungrichter usw. Koehler & Volckmar. 1933

Lotz, Heinrich. Schwimmen in Schule und Verein. (il) 164p Teubner. 1914

Lowman, C. L. After-care of poliomyelitis; physiotherapy in water. Am. J. Nursing. Jan. 1932

Consideration of body type in aquatic activities. Swim. Pool Data & Ref. Ann. 4:26-27. 1936

Hydrogymnastic exercises for acute injury; personal experience. Am. J. Surg. April 1932

Physical equipment of therapeutic pools. J. Am. Med. Assoc. March 22, 1930

Physical therapy under water. Beach & Pool. June 1933

Post operative use of therapeutic pools. Northwest Med. Dec. 1931

Present day problems in physical education. Am. Phys. Educ. Rev. Oct. 1921

Underwater gymnasium as adjunct to orthopaedic surgery. J. Bone & Joint Surg. Jan. 1927

Underwater gymnastics. J. Am. Med. Assoc. Oct. 10, 1931; also Mind & Body. May 1932

Use of underwater exercises for improvement of posture. Section (p43-7) from Symposium on Posture. Dorothy L. Zirbes, ed. 50c 60p Phi Delta Pi. 1938

Value and dangers of sunlight. Beach & Pool. May 1936

—and Bright, E. A. Hydrogymnastics from the physical education standpoint. J. Health & Phys. Educ. April 1935

—and Roen, Susan. Technique of water gymnastics in muscular re-education. Am. Phys. Educ. Rev. Oct. 1928

Use of the therapeutic pool. Am. Pub. June 1928

—Roen, Susan; Aust, Ruth; and Paul, Helen. Technique of underwater gymnastics. \$5 276p Am. Pub. 1937

Lowson, J. A. Sensations in drowning. Edinburgh M.J. 13:41-45. 1903

Luber, Hans. Der Schwimmsport. Grethlein

Lucas, C. J. Safety first at the baths. Swim. Times. June 1934

Swimming—the inflated tyre for learners. Croydon, London. The Author

Luckhardt, A. B. Official "edict" of city of Zürich, Switzerland, 1766 A.D., on methods of resuscitation to be employed on drowned or asphyxiated persons, with brief introduction. Bull. Inst. Hist. Med. March 1938

Luckiesh, M. Contributions of science to the lighting art. Sc. (new series). June 3, 1927

Lüdtke, H. Beitrag zur Frage des Badetodes. Med. Klin. Nov. 24, 1933

Luehring, F. W. Fifth annual national collegiate swimming championships. Ath. J. May 1928

Physical education in the water. Am. Phys. Educ. Rev. June 1922

Seventh annual swimming championship of the N.C.A.A. Ath. J. Sept. 1930

Standards for the swimming pool in educational institutions. Ph.D. Thesis. Teachers Col. 1938

Swimming and life saving requirements in educational institutions. Swim. Guide. p88-93. 1916-17

Symposium on training for speed swimming. Swim. Guide. p63-87. 1916-17

Tenth annual N.C.A.A. swimming championships. Ath. J. Dec. 1933

—See Camp Directors Association, Swimming Committee, jt. auth.

Lüning, O. Bedeutung einer sachgemäßen Probenahme bei Wasseruntersuchungen. Ztschr. f. Untersuch. d. Lebensmitt. May 1927

Luippald, G. T. Safeguarding swimming pool water. (il) Municipal Sanit. Aug. 1930

Lukow, B. Zur Frage des Blutdruckes bei der Nasen-, Mund- und Trachealatmung. Monatschr. f. Ohrenh. Dec. 1928

Lundsgaard, Einar. Artificial respiration. Translation into English from issue of May 1935 Maaned. f. Prak. laeg. o. Soc. Med. 15p Hellerup, Denmark. Holger Nielsen. 1937

Lunn, A. Olympics then. Commonweal. Aug. 14, 1936

Lusiardi, M. Water sports in Uruguay. (il) Bull. Pan Am. U. April 1938

Lutz, G. Prinzipielles zur Chlorgasssterilisation des Trinkwassers. Ztschr. f. Hyg. u. Infektionskr. Feb. 1927

Luzzani, L. N. L'insegnamento del nuoto in una scuola elementare. Gior. d. r. Soc. ital. d'ig. 38:193-97. 1916

Lyle, D. A. Report on life saving ordinance and appurtenances. Gov. Printing Off. 1878
Also pub. in Annual Report for 1878 of United States Ordnance Department.

Lyman, Eva C. Student leadership in swimming. Scholastic C. Feb. 1932

Study of buoyance in relation to swimming. Thesis. Univ. Iowa. 1930

Lyon, Gertrude K. Group instruction in swimming. University of Minnesota. Am. Phys. Educ. Rev. Feb. 1921

Lyon, H. J. Quantitative and qualitative test for albumin in swimmers. Thesis. Springfield Col. 1919

Lyons, S. See Ravina, A. jt. auth.

M

McAdam, T. Water features for country estates. (il) Country Life. Aug. 1908

Macaggi, D. L'accertamento micro-emo-fotometrico della morte per anagraffamento. Diag. e. tec. di lab. Sept. 25, 1934

McAuliffe, G. B. Effect of bathing on eyes, ears and throat. Beach & Pool. June 1927

Prevention of so-called bather's ear. Med. J. & Rec. Sept. 15, 1926

McCaffree, Charles, jr. Swimming bulletin of the Interscholastic Swimming Coaches Association. Intramural Sports Building, Ann Arbor, Michigan—January, 1937. Beach & Pool. Feb. 1937

McCants, J. M. Dominick-Lauter method compared with standard methods in differentiating coliform-aerogenes group in analysis. U.S. Nav. M. Bull. July 1931

McCarthy, E. See Prince, R. jt. auth.

McCarthy, R. L. Pointers in routine operation. Beach & Pool. Nov. 1932

McClanahan, C. P. Experimental study of beginning strokes in swimming for girls of college age. Thesis. 66p Univ. Wisconsin. 1929

McClellan, W. O. Water swat tag. Phys. Train. March 1920

McClure, H. C. All-year-round swimmin' hole: swimming, aquatics, life-saving, water sports. Am. City. June 1925

McColl, J. R. Swimming pool engineering. Canad. Engin. June 7, 1932

McCord, C. P. Paints for the pool. (il) Hygeia. Sept. 1928

McCormick, Olive. Conch shell. Free. A.R.C.

Magic urn. Beach & Pool. March 1933

Narcissa and the hunter. Free. A.R.C.

Singing games as a teaching approach to overcoming children's fear in the water. Aquat. p25. 1931-32

Truce of two tribes. Section (p209-12) from Swimming and Water Safety. 3rd ed. 75c 248p Boy Scouts. 1931

Water pageants, games, and stunts. \$2 138p Barnes. 1933; also 9s. 6d. Lib. Press. 1936

Water play days. Aquat. p34-7. 1931-32

McCormick, W. J. Athlete's foot problem. Swim. Pool Data & Ref. Ann. 3:22-23. 1935

Defend your pool against scare-head advertising. Beach & Pool. Aug. 1937

Epidermophytosis. Canad. Pub. Health J. June 1935

Fuelless method of heating outdoor pool water. (diag) Swim. Pool Data & Ref. Ann. 6:60. 1938

Health aspects of pools for children. Swim. Pool Data & Ref. Ann. 4:66-67. 1936

McCrae, L. La Jolla tidal bathing. Prof. Engin. Jan. 1932

McCrumb, F. R. Chemical control of pool water. Beach & Pool. Oct. 1934

Conditioning of water. Beach & Pool. May 1930

Is pool sanitation keeping pace with pool growth? Beach & Pool. July 1930; reprint Free. Mathieson Alkali Wks.

McCulloch, E. C. Disinfection and sterilization. \$5.50 Lea & Febiger. 1936

McCullough, J. W. S. Verdict in polluted water case. Pub. Health J. Aug. 1926

MacDonald, Design and operation of Wichita's municipal swimming pools. Concrete Highways & Pub. Improve. May 1928

MacDonald, Alfred. Construction and operation of outdoor swimming pools. Parks & Recrea. March-April 1924

Construction and operation of swimming pools. City Mgrs. Assoc. Mag. Nov. 1923

MacDonald, H. Relation of swimming to other sports. Swim. March 1925

MacDonald, J. C. Stream pollution, international and interstate and local. Proc. Conf. State & Prov. Health Author. North America. 51:44-48. 1936

McDowall, R. J. S. Modern aspects of water purification. Sc. Prog. Oct. 1922

McFee, Robert S. Ladies from Olympus. Vanity Fair. Sept. 1932

McGibbon, J. E. G. Bathing and aural disease. Brit. M.J. Aug. 22, 1931

McGillivray, E. W. International water polo interpretations and hints. Swim. Guide. p46. 1933

McGillivray, Ross. Swimming and swimming strokes. 75c 88p Regan. 1923

McGonegal, A. R. Danger of faulty gate or check valves. Swim. Pool Data & Ref. Ann. 4:48-49. 1936

McGrady, M. H. Practical study of procedures for the detection of the presence of coliform organisms in water. (tables) Am. J. Pub. Health. Dec. 1937

McHugh, F. D. Surer artificial respiration: Nielsen life-saving technique. Sc. Am. Jan. 1936

M'Iver, J. Art of swimming, with advice for bathing. Lever. 1794

Tr. by Thévenot.

BIBLIOGRAPHY OF SWIMMING

McKenzie, R. T. Benjamin Franklin; illustrious pioneer in physical education. *J. Health & Phys. Educ.* Feb. 1936

—committee member. See National Collegiate Athletic Association

Mackey, H. D. Modern substitute for the old swimming hole. *Nation's Schools*. Aug. 1930

Suggests some sales attention be paid to selling materials for swimming pools. *Brick & Clay Rec.* Oct. 21, 1930

Swimming pool sanitation. *Am. Land Architect*. June 1930

Mackey, S. W. Examination of the swimming pool at the Rensselaer Polytechnic Institute, Troy. *Am. Phys. Educ. Rev.* April-June 1915

McKinney, D. D. Minimum cost equipment for the purification of swimming pool waters. Thesis. Ohio State Univ. 1931

McLaughlin, A. J. Eliminating pollution from Great Lakes and St. Lawrence waterways; Great Lakes. *Am. J. Pub. Health*. May 1927

McLaughlin, M. E. Collection of individual stunts, team games, and mass games for beginners. Springfield Col. 1931

MacLean, Dorothy G. Construction of an achievement scale for the crawl and side stroke in swimming for women. Thesis. 17p Univ. Washington. 1938

Macleod, J. M. H. Address on ringworm and its treatment. *Brit. M.J.* April 21, 1928

McMillan, J. F. Science and art of swimming from a medical point of view. 1916. *Med. Press*

McMurray, Donald D. Architect's specification of the Hotel del Coronado swimming pool, Coronado, California. *Beach & Pool*. April-Aug. 1935

McNabb, P. E. See Baker, W. P. jt. auth.

McNally, P. S. Few hints on swimming. *Men.* 22:1133

Swimming fallacies. *Cur. Lit.* July 1902

MacNamee, W. B. Making swimming safe for the people. *Am. City*. July 1924

MacNaughton, J. H. New school athletic and student's activity building, Williston Academy. *Am. School & Univ.* p237-38. 1931

McPheeeters, W. H. How swimming pools are financed. *Concrete*. July 1930; also *Beach & Pool*. May 1931

Macpherson, R. Dissertation on the preservative from drowning; and swimmer's assistant. A new invention, simple, commodious, and of small expense . . . adapted to principles established by experiments, and proved by trials. Together with an useful account of losses of lives by water. 2s. 6d. 131p Murray. 1783

McVey, J. R. Year's operation of a municipal swimming pool. *Beach & Pool*. March 1931

McVicar, J. W. Brief history of the development of swimming. *Res. Quart.* March 1936

—(ed). Swimming, diving, and life saving manual. 35c 103p Canad. Y.M.C.A. Nat. Council
Issued regularly.

Madden, Katheryn. Texas Beach and Pool Association's ninth annual meeting. *Beach & Pool*. July 1937

Madge, Walter W. Bath house layouts. *Notab. Swim. Pools*. 1:94-95. 1933

Madison, Helene

—Helene Madison's enduring record. *All Sports*. Nov. 1936

—records beware! You're fragile stuff to Helene. (ii) [Marshall Hunt] *Lit. Dig.* Aug. 15, 1931

Madsen, Julius. Swimming and life-saving: a practical manual. (ii) 75c 57p Drake. 1914; Pitman; Prentice-Hall

Maffei, G. B. and Domenici, F. Annegamento colposo in polmonitico (nota casistica). *Arch. di antropol. crim.* 58:213-18. 1938

Magalhães, A. de. L'encubation à 46° dans la recherche du colibacille des eaux. *Arq. do Inst. bact. Camera Pestana*. 6:xcv-ccii. 1932

Magee, J. C. Army post swimming pool. *Mil. Surg.* May 1923

Magrane, Helen. Survey of the program of swimming activities for women in colleges and universities in the United States. Thesis. 92p Univ. Washington. 1932

Mahaffey, J. L. Sanitary control of swimming pools, New Jersey. New Jersey Municip. April 1934

Mahla, C. A. Die Verunreinigung des Schwimmhallenwassers, durch Urin. *Arch. f. Hyg.* July 1933

Mahomed, Horatio. Bath: a concise history of bathing, as practised by nations of the ancient and modern world. 80p Smith, Elder. 1843

Mahony, H. M. Case study of problem swimmers. Thesis. 40p Univ. Wisconsin. 1929

Maine State Board of Health. Rules and regulations of the State Department of Health of the state of Maine covering swimming pools. Free. 3p Maine State Board Health. 1937

Makarius, C. B. Teaching youngsters to swim. (ii) *Par. Mag.* Aug. 1933

Maleeff, I. Einiges über die Mineral-, Thermal- und Meeresbäder in Bulgarien. *Deutsche med. Wchnschr.* April 16, 1937

Mallison, N. L. Hobbies of a Rotary club. *N.R.A.* Sept. 1934

Mallison, W. H. Advice to all who bathe for amusement, health or who are desirous of acquiring the art of swimming—in which is clearly shown the impossibility of an accident happening when equipped with the invention called the Seaman's friend and bather's companion. 48p Cornhill, Eng., 6 St. Michael's Alley. The Author. 1812(?)

Seaman's friend. 44p London. 1804

Mallmann, W. L. Bacteriology of the swimming pool. *J. Am. Assoc. Hyg. & Baths.* April 1932; *also Canad. Engin.* June 21, 1932

Streptococcus as an indicator of swimming pool pollution. *Am. J. Pub. Health.* June 1928

— and **Cary, W. H., jr.** Study of bacteriological methods of testing and means of disinfecting water with chlorine; with particular reference to swimming pool water. (bib, tables) *Am. J. Pub. Health.* Jan. 1934; *reprint* 15c

Swimming pool risk. *Sc. Am.* Sept. 1933

— and **Sypien, A.** Pollution indices of natural bathing places. *Am. J. Pub. Health.* July 1934

— See Stovall, W. D.; Theroux, Frank R. *jt. auth.*

Maltbie, M. R. Public baths. *Municipal Aff.* Dec. 1898

Manby, George W. Essay on the preservation of shipwrecked persons. (il) 94p Longman, Hurst and others. 1812

Manchee, Marie. From tadpole to seal—swimming in an organized summer camp. *J. Health & Phys. Educ.* June 1932

Manchester, Herbert. Four centuries of sport in America, 1490-1890. (il) 245p Derrydale. 1931

Mang, W. Schwimmsport. (Lehrmeister-Bücherei 483/85). 1922; 2nd ed. (Lehrmeister-Bücherei 827/31). Koehler & Volckmar. 1927

Mangun, L. B. Algae control by chlorination. *Am. City.* Oct. 1928

Manheimer, W. A. Application of ozone to purification of swimming pools. *Pub. Health Rep.* March 1, 1918

Comparison of methods for disinfecting swimming pools. *Am. Phys. Educ. Rev.* Jan. 1917; *also J. Infect. Dis.* Jan. 1917

Essentials of swimming pool sanitation. *Pub. Health Rep.* no.299. 1919

Further studies on application of ozone to purification of swimming pools. *Med. Rec.* Nov. 12, 1921

Ozone in swimming pool purification. *Boston M. & S. J.* Nov. 21, 1918

Reliability of ozone in swimming pool disinfection. *J. Am. Med. Assoc.* March 16, 1918; *also J. Am. Assoc. Hyg. & Baths.* 2 and 3:56-59. 1921

Standards for swimming pool legislation. *Med. Rec.* March 9, 1918

Studies on the sanitation of swimming pools. *J. Infect. Dis.* July 1914

Study of the sanitary conditions of indoor swimming pools. *Am. Phys. Educ. Rev.* Dec. 1912

Treating swimming pools with ozone. *Am. J. Pub. Health.* Feb. 1919

Manley, E. J. Back stroke. (il) *Ath. J.* Nov. 1923

Breast stroke. *Ath. J.* Oct. 1923

Crawl stroke. *Ath. J.* June 1923

How to play water basketball. *Ath. J.* Jan. 1924

Inverted crawl stroke. *Ath. J.* Dec. 1923

Side stroke. *Ath. J.* Sept. 1923

— and **Paterson, H. C.** Fundamentals of swimming and aquatic sports for coach, instructor, pupil and water fan. *Service Press (Ill.)* 1927

Mann, J. Dixon. Drowning. *Chapter from Quain's Dictionary of Medicine.* 3rd ed. Longmans. 1902

Forensic medicine. London. 1898

Mann, Matt. Coach's relationship to his swimmers: prepared during the 3rd Annual Aquatic Forum, Ft. Lauderdale, Fla. Beach & Pool. Feb. 1938

Diving. (il) *J. Health & Phys. Educ.* March 1937

Manning, W. M. How to make a practice springboard. *Swim. Times.* Feb. 1935

My garden springboard. *Swim. Times.* Dec. 1934

Manuals. See Texts

Marathons. See Champions; Distance Swimming

Marc, H. Un cas de spirochèteose icéro-hémorragique d'origine fluviale observé à Beziers. *Arch. Soc. d. sc. méd. et biol. de Montpellier.* April 1938

Marcard, R. See Ginestous, E. *jt. auth.*

March. Art of swimming; a short treatise; being a few useful and practical remarks. 2d. 8p Gas Power Printing W. 1888

March, R. Captain Webb's swimming companion. 1d. 26p March. 1877(?)

March's Handbook of swimming. March. 1874

Marchand-Alphant. See Muller, *jt. auth.*

Marchand-Alphant, A. and M. Les lésions histologiques dans la submersion vitale. *Echo méd. du Nord.* Dec. 16, 1934

Marchand-Alphant, M. See Marchand-Alphant, A. *jt. auth.*

Marcuse, E. Tödliche Schwimmsportverletzungen. *Med. Welt.* March 12, 1927

Margaria, R. Il ricambio gassoso nel bagno di mare. *Arch. di fisiol.* April-June 1928

La température de l'air expiré et la ventilation pulmonaire durant le bain de mer. *Arch. ital. de biol.* 79:128-38. 1928

— and **Chiatellino, A.** Modificazioni fisiche e fisicochimiche del sangue e dell'urina in rapporto col bagno di mare. *Boll. d. Soc. ital. di biol. sper.* Jan. 1928

Mariconda, G. Osservazioni e ricerche sopra un caso sporadico di "dermatitis bullosa prae-

pratensis." Dermosiflografo. March 1936

BIBLIOGRAPHY OF SWIMMING

Markert, Alfred. Leitfaden f.d. Schwimm-schule. Anweisgn. zum Selbst- und Massenunterricht. Koehler & Volckmar. 1930

Schwimmlehrbuch. Limpert; Koehler & Volckmar. 1931

Markley, S. C. Use of chloride of lime in the purification of swimming pools. (bib) Am. Phys. Educ. Rev. Feb. 1913

Marloth. Die ärztlichen Aufgaben bei der Feststellung der Sporeignung. Deutsche med. Wchnschr. Aug. 11, 1933

Maronneaud, J. La natation, sport éducatif. Gaz. méd. de France (Supp. Climat. d'été). June 1, 1937

Mise au point sur certains préjugés en natation. Gaz. méd. de France. June 1, 1936

Marshall, V. Swimming for safety and health. Delineator. July 1915

Martin, Austin Raymond. Water softening: the base-exchange or zeolite process. 20p His Majesty's Stat. Off. 1929

Martin, Ebenezer. Treatise on the theory of swimming made so easy that it can be reduced to practice at once: also, treatise on causes and effects in general, pertaining more especially to the farming community. 47p Lovell. 1876

Martin, M. J. Comparison of American, Australian and English purification systems. Swim. Pool Data & Ref. Ann. 4:47. 1936

Economics of swimming pool recirculating systems. (diag) Swim. Pool Data & Ref. Ann. 6:48; 72. 1938

Sanitation. Beach & Pool. Aug. 1936

Sanitation is the backbone of the swimming pool field the world over. Beach & Pool. Sept.-Nov. 1936

Martin, P. Nouvelle méthode de gymnastique rééducative. L'hydrogymnastique. Rev. méd. de la Suisse Rom. May 25, 1933

Martin, William. Book of sports, athletic exercises and amusements. 1st ed. Swimming, p174-94. 1837(?) 2nd ed. 1852. Text of *Swimming* the same. Darton & Clark

Martyn, P. Construction of the swimming pool. Country Life. July 1905

Outdoor swimming pools. Country Life. July 1905

Maryland State Board of Health. Artificial indoor and outdoor swimming pools: suggestions for their design and control. Free. 12p Maryland State Board Health. 1930

Regulations governing public swimming pools. Free. 1p Maryland State Board Health. June 1929

Regulations governing public swimming pools. Am. J. Pub. Health. Aug. 1929

Mason, Bernard S. See Mitchell, Elmer D. jt. auth.

Mason, J. L. Swimming pools. Diet. & Hyg. Gaz. Feb. 1914

Mason, James. On the art of swimming, the utility of, etc. 2s. 56p Horne. 1841

Prize essay of the National Swimming Society for 1839. Published jointly with essay written by A. M. Payne in 1840.

Mason, Theodorus B. M. Preservation of life at sea. 38p Am. Geog. Soc. 1879

Mason, William Pitt. Examination of water, chemical and bacteriological. \$3 Wiley. 1931

Modern swimming hole. Playground. April 1921

Practical design and management of swimming pools. Am. City. March 1920

Mass Swimming

See also Campaigns, learn-to-swim; Exhibitions; Pools and Bathing Places; Pools and Bathing Places, Operation of, load capacity; Pools and Bathing Places, Operation of, race problems; Public Health; Recreational Swimming; Safety; Teaching

—bathers of the city. (il) [R. D. Paine] Outing. Aug. 1905

—bathing in Russia. [M. J. Konikow] Boston M. & S. J. 178:518. 1918

—civic instruction in swimming. [Fred C. Mills] World Today. Jan. 1911

—mass bathing. [Charles H. Capen, jr.] Beach & Pool. May 1934

—mass teaching and competition in swimming. [Lelia M. Finan] Am. Phys. Educ. Rev. Jan. 1929

—mixed bathing in London. Spectat. July 18, 1931

—more than a million swimmers a year. [John Brown, jr.] Swim. Pool World. Oct. 1932

—New York swims. [Marie W. Bishop] Beach & Pool. April 1933

—summer-bathing sketches. [Arbeiter-Turn-und Sportschule] Arbeit.-Turn-und Sport

—summer sports. [W. A. DeWitt] North Am. Rev. Aug. 1933

—teaching swimming at wholesale. [G. H. Corsan] Phys. Train. Dec. 1909

—water sport—a folk sport. [Engever] Westermann's Monatsh. April 1928

Massachusetts State Board of Health. Sanitary control of swimming pools. Massachusetts State Board Health. 1913

Suggestions as to minimum requirement relating to sanitation, medical supervision, nutrition and the general management of summer camps. Free. Massachusetts State Board Health. 1922

Swimming pools and other public bathing places. Free. Massachusetts State Board Health. 1937

Masters, A. H. Artificial respiration apparatus for use with compressed air. Quart. J. Exper. Physiol. Oct. 1930

Mastoiditis. See Diseases, ear

Mateeff, D. Zur Frage der "Sportkrankheit." *Klin. Wchnschr.* March 21, 1936

Mathewson, F. S. Modern swimming pool. (il) *Playground*. June 1930

Mathieson Alkali Works, Inc. Keeping the pool safe and sanitary. Free. Mathieson Alkali Wks. Annual since 1936(?) Recommended procedure for conditioning filters with H T H. Free. Mathieson Alkali Wks. 1936

Mattern, Marion. Objective standards in grading swimming. *Univ. California, Los Angeles*

Matthews, E. T. See Shaw, F. R. jt. auth.

Matthias, E. Ueber die Einwirkung von Bohnenkaffee und Kaffee Hag auf die Leistungsfähigkeit der Kreislauforgane vor und nach sportlichen Leistungen. *München. med. Wchnschr.* April 13, 1934

Mattill, H. A. and H. I. Effect of bathing in Great Salt Lake on metabolism. *Am. J. Physiol.* Aug. 1916

Mattill, H. I. See Mattill, H. A. jt. auth.

Maxwell, G. Water sports in Australia. *Travel.* Dec. 1931

Maxwell, William Hamilton. Field book; or, Sports and pastimes of the United Kingdom. 616p. E. Wilson. 1833

Maybury, E. W. Architectural features of the new plant. *Nation's Schools.* Feb. 1934

Mayer, Lottie. Professional swimmer who enjoys her work. *Am. Swimmer.* Feb 1922

Mayer, Marjorie M. Prelo—a game. *Water Sports* (Supp) p23-4. 1934 Systematized swimming meets. *J. Health & Phys. Educ.* Feb. 1937

Maysack, R. E. Rescuing and reviving the drowning. *Health.* June 1923

Mazfield, M. E. See Bazett, H. C. jt. auth.

Meara, K. Noblesville in providing play provides work. (il) *Am. City.* Dec. 1931

Mechanical Aids in Teaching. See Teaching, mechanical aids in

Mechanical Devices for Resuscitation. See Resuscitation, mechanical devices for

Mechanical Equipment for Water Softening. See Water Softening, mechanical equipment for

Medart, Fred, Manufacturing Company. See Spalding, A. G., and Brothers, jt. auth.

Medica —feats of Medica and Degener: highlights of title gala. [L. de B. Handley] *Swim. Times.* May 1935 —Medica astonishes the Australians. [Ted Turner] *Beach & Pool.* July 1937

Medical Member of Her Majesty's Household (D. W. Jobson). Hand-book for bathers, or hints on the various kinds of baths, with directions for swimming. 47p Churton. 1846

Medical Supervision of Athletes. See Coaching, medical supervision

Meehan, E. U. Sterilization of swimming pool. *Mind & Body.* Dec. 1915 —See Handley, L. de B. jt. auth.

Meehan, Gertrude Gibson. Swimming strokes and stunts: description of strokes—instruction for teaching. The Author. 1922 Issued for the Boston School of Physical Education.

Meets See also Champions; Coaching; Competition; Distance Swimming; Diving; Life Saving, contests; Life Saving, pentathlon; Officiating; Olympics; Physiological Aspects; Polo; Pools and Bathing Places, Construction of, for competition; Records; Speed Swimming; Teaching —athletic almanac, containing descriptions of Olympic trials and events, of championship meets and of world and Olympic records. (Spalding's Athletic Library). 25c Am. Sports Pub. Founded by James E. Sullivan. Annual since 1893 —baths, baths and still more baths. [P. H. Hardidge] *Swim. Times.* July 1934 —boy's meet in Milwaukee. (il) *Recrea.* July 1936 —Canada—again supreme! [Norman H. Rogers] *Swim. Times.* Sept. 1934 —changes in blood and circulation in swimming matches. [N. Westenrijk] *Ztschr. f. klin. Med.* 106:178-82. 1927 —exposure to cold and overexertion during participation in athletic events as predisposing causes of diseases. [N. Jagic and O. Zimmermann-Meinzen] *München. med. Wchnschr.* Feb. 7, 1936 —extraordinary swimming race; the competitors putting on top hats and clothes etc. by degrees. [Albert H. Broadwell] *Strand Mag.* Oct. 1900 —how youth won \$25,000 swim. [J. A. Ford] *Pop. Mechan.* April 1927 —Japanese in England. [Gilbert Collins] *Swim. Times.* Sept. 1936 —Medica astonishes the Australians. [Ted Turner] *Beach & Pool.* July 1937 —record-holders and champions too slow to qualify. (il) *News Wk.* July 18, 1936 —systematized. [Marjorie M. Mayer] *J. Health & Phys. Educ.* Feb. 1937

A.A.U. For complete descriptions and regulations see Rules for Swimming, Diving, Water Polo by Amateur Athletic Union, listed under Officiating, rules for swimming, diving and water polo

—final men's swimming tryouts held at Providence, R.I., July 10th, 11th and 12th. 1936. Section (p264-5) from Report of the American Olympic Committee. \$2 491p Am. Olympic Comm. 1936

—national A.A.U. swimming championships. [Robert J. H. Kiphuth] *Beach & Pool.* Jan. 1935

Meets—Continued**A.A.U.—Continued**

- report of chairman of men's swimming committee. [F. W. Luehring] *Section* (p257-64) from *Report of the American Olympic Committee*. \$2 491p Am. Olympic Comm. 1936
- results of the A.A.U. national championship swimming meet for women, July, 1935. *Time*. July 29, 1935
- swim honors to Misses Kompa and Dozier: Manhattan Beach, N.Y., pool scene of triumph in first outdoor official A.A.U. meet of N.Y. season. *Beach & Pool*. June 1935
- trials and tryouts. (ii) *Time*. July 20, 1936
- A.S.A., A.S.A. diving championships of England, 1935. [G. la C. Baudains] *Swim. Times*. Aug. 1935
- come to Blackpool: first Amateur Swimming Association Championships festival. [John Hodgson] *Swim. Times*. June 1935
- second centralised championships of. [Gilbert Collins] *Swim. Times*. Aug. 1936
- EMPIRE GAMES, Berlin via Blackpool. [Gilbert Collins] *Swim. Times*. Aug. 1935
- call from Magdeburg. [Hans A. Peters] *Swim. Times*. Aug. 1934
- centralisation of championships. *Swim. Times*. Feb. 1935
- European swimming championships 1938. [P. W. A. Herbert] *Swim. Times*. Oct. 1937
- how to win at Wembley. [Peter Push] *Swim. Times*. Aug. 1934
- impressions of the European games. [L. Harry Koskie] *Swim. Times*. Oct. 1934
- inviting Europe to Wembley in 1938. [John Hodgson] *Swim. Times*. Dec. 1937
- launching of S.S. Brighton. [Earl Howe] *Swim. Times*. Aug. 1934
- messages. [James Leigh-Wood, H. E. Fern, John Faulds and H. E. Herschorn] *Swim. Times*. Aug. 1934
- national centralised championships. [S. T. Hirst] *Swim. Times*. May 1936
- national championships festival: England's greatest indoor pool. *Swim. Times*. June 1936
- our chances at the games. [B. O'Neill] *Swim. Times*. Aug. 1934
- real meaning of. [Frederick A. M. Webster] *Swim. Times*. Aug. 1934
- their origin and ideals. [Evan A. Hunter] *Swim. Times*. Aug. 1934
- their origin and objects. [Leo Donath] *Swim. Times*. Aug. 1934
- welcome to Empire swimmers. [Motistone] *Swim. Times*. Aug. 1934
- Wembley winners. [W. J. Howcroft] *Swim. Times*. Aug. 1934

HISTORY OF INTERCOLLEGIATE SWIMMING. See also *History*; *Olympics, history*; for complete descriptions, reviews and regulations of the various sectional and national leagues and championships sponsored by the National Collegiate Athletic Association see their *Official Rules for Swimming, Diving, Water Polo: Intercollegiate and Interscholastic* (published annually since 1916), listed under *Officiating, rules for swimming, diving and water polo*

- [Alfred Livingstone] *Thesis*. Springfield Col. 1922
- history of American amateur athletics and aquatics with the records. [F. W. Janssen] 262p New York Outing. 1887
- intercollegiate swimming meets. [John Allen Krout] *Article* (p217) from *Annals of American Sport*. (The *Pageant of America*, v15). \$5.50 360p Yale Univ. Press. 1929
- sketch of Intercollegiate Swimming Association. [G. Kistler] *Swim. Guide*. p39-43. 1915-16

INTERCOLLEGIATE. See also *Meets, history of intercollegiate swimming*; for complete descriptions, reviews and regulations of the various sectional and national leagues and championships sponsored by the National Collegiate Athletic Association see their *Official Rules for Swimming, Diving, Water Polo: Intercollegiate and Interscholastic* (published annually since 1916), listed under *Officiating, rules for swimming, diving and water polo*

- [John Allen Krout] *Article* (p217) from *Annals of American Sport*. (The *Pageant of America*, v15). \$5.50 360p Yale Univ. Press. 1929
- college swimmers ready for tests. *Lit. Dig.* March 20, 1937
- feats of Medica and Degener: highlights of title gala. [L. de B. Handley] *Swim. Times*. May 1935
- fifth annual national championships. [F. W. Luehring] *Ath. J.* May 1928
- national championship and National Collegiate Athletic Association meets. [R. G. Clapp] *Ath. J.* May 1929
- seventh annual swimming championship of the N.C.A.A. [F. W. Luehring] *Ath. J.* Sept. 1930
- study of the effects of inter-collegiate swimming on the sinuses. [Alfred Livingstone] *Thesis*. New York Univ. 1931; also *Res. Quart.* March 1932
- study of the effects of inter-collegiate swimming on the sinuses. [Gladys Scott and W. W. Tuttle] *Res. Quart.* March 1932
- swimming. *News Wk.* March 20, 1937
- tenth annual N.C.A.A. swimming championships. [F. W. Luehring] *Ath. J.* Dec. 1933

INTERSCHOLASTIC. For complete descriptions, reviews and regulations of the various sectional and national interscholastic leagues and championships sponsored by the National Collegiate Athletic Association see their Official Rules for Swimming, Diving, Water Polo: Intercollegiate and Interscholastic (published annually since 1916), listed under Officiating, rules for swimming, diving and water polo

INTRAMURAL. See Recreational Swimming, intramurals

JAPAN vs. AMERICA. See also Strokes, crawl; Speed Swimming, American and Japanese

- Japan and America now. [Gilbert Collins] *Swim. Times.* Dec. 1935
- Japan challenges America in the water. [Robert J. H. Kiphuth] *Lit. Dig.* May 12, 1934
- Japan conquers U.S.A. *Swim. Times.* Oct. 1935
Tr. from *Der Schwimmer*.
- trip to Japan. [Robert J. H. Kiphuth] *Beach & Pool.* Nov. 1935

OLYMPIC TRYOUTS. See Meets, A.A.U.; Olympics

OUTDOOR. For complete descriptions, reviews and regulations concerning the various sectional and national outdoor championships sponsored by the National Collegiate Athletic Association see their Official Rules for Swimming, Diving, Water Polo: Intercollegiate and Interscholastic (published annually since 1916), listed under Officiating, rules for swimming, diving and water polo

- championships. [L. de B. Handley] *Swim. Times.* Dec. 1937

PENTATHLONS, [W. H. Ball] *Phys. Train.* Sept. 1920

- 1923. [W. H. Ball] *Phys. Train.* Nov. 1923

PUBLICITY THROUGH. See Publicity, through meets

SURF, national team surf championships. *Beach & Pool.* July 1936

TELEGRAPHIC, annual National Intercollegiate Telegraphic Swimming Meet. *Water Sports.* p22-4. 1935-36

- athletic meets. [G. Hanley] *Sports-woman.* April 1925
- Big-Ten. [Ann Avery Smith] *Sports-woman.* June 1931
- 1934 National Intercollegiate. [Ann Avery Smith] *Water Sports (Supp.).* p20-21. 1934

Y.M.C.A., first International Y.M.C.A. Athletic Championships, Endrup, Denmark, July 10-17, 1927. [Louis C. Schroeder] *Am. Phys. Educ. Rev.* May 1928

Meffert, A. How to save a drowning man. *Outing.* Aug. 1902

Mehl, Erwin. *Antike Schwimmkunst.* Heimerau. 1927

Meisl, Willy and Winter, Philipp. *Der Schwimmssport (il)* 90p Ullstein. 1925

Melioidosis. See Diseases, melioidosis

Mello e Souza, A. de. *O banho hydromineral; accão chimica.* Ann. paulist. de med. e cir. Oct. 1937

Mellon, Jack. First aid supplies. *Swim. Pool Data & Ref. Ann.* 3:27-28. 1935

Meltzer, S. J. Author's pharyngeal insufflation apparatus for, with history and analysis of methods of resuscitation. *Med. Rec.* July 7, 1917
Simple devices for artificial respiration in emergencies. *J. Am. Med. Assoc.* May 10, 1913 and Sept. 16, 1916

Menges, Katherine Adams. Water parties for indoor pools. *J. Health & Phys. Educ.* Feb. 1936

Menk, V. Mekarski von. *Notizen über Gymnastik in Vorzugsweiser Beziehung auf die zweckmassige Anwendung der kalten Bader in offenen Wässern und der Schwimmkunst.* Vienna, Austria. 1831

Menke, Frank A. (ed.) All sports record book. \$2 *All Sports Rec. Bk.* Annual since 1930
Deals with approximately 90 sports, tracing the history of each.

Menke, H. G. See Decker, A. C. jt. auth.

Menstrey. New manual of swimming. *New York City.* 1878

Mental Values. See Values, mental

Merillon, D. délégué général. See Paris Exposition Universelle, 1900

Merit Badge Tests. See Tests, merit badge

Merklen, L.; Grandpierre, R.; and Vida-covitch, M. *Effets immédiats du bain de Bourbone sur la circulation artérielle.* *Bull. Acad. de méd., Paris.* June 15, 1937

Mero, E. B. How public gyms and baths help to make good citizens. (il) *Am. City.* Oct. 1909

Merrill, J. B. Value and use of exercise pool. *Physiotherapy Rev.* May-June 1931

Merton, Charles K. When you see a man drowning how to save his life. *Penny Pict. Mag.* July 29, 1899

Messerle, N. Zur Physiologie des Trainings. *Schweiz. med. Wchnschr.* Feb. 4, 1928

Metabolism. See Physiological Aspects, metabolism

Metcalf, H. G. Educational values of the Red Cross life-saving program. *Am. Phys. Educ. Rev.* April 1925
Swimming is ideal physical exercise. *Red Cross Cou.* March 16, 1925; also *Swim.* Aug. 1925

Methley, Noel T. Life-boat and its story. 318p Sidgwick & Jackson. 1912

Methods. See Coaching; Coaching, training; Life Saving; Resuscitation, methods; Teaching, methods; Water Purification, comparison of methods

Metropolitan Life Insurance Company. Artificial respiration. Free. Metropolitan Life. Swimming and life saving. Free. Metropolitan Life

Metropolitan Swimming Association. Swimming almanack. London. 1885

Metzger, Sol. Learning to swim. Boy's Life. July 1931

Metzner, A. See Heupke, W. jt. auth.

Meyer-Schlitt, L. Elektrokardiographische Untersuchungen nach kalten Seebädern. *Ztschr. f. Kreislaufforsch.* July 15, 1933

Meylan, George L. Hygiene and sanitation of summer camps. *Am. Phys. Educ. Rev.* Dec. 1912

Mezz, David. Prevention of sinus trouble. *Swim. Pool Data & Ref. Ann.* 5:25-26. 1937

Michael, Karl B. Diving made easy. Beach & Pool. July 1932

How to prevent springboard breakage. *Swim. Pool Data & Ref. Ann.* 5:49. 1937

You can prevent springboard breakage. Beach & Pool. May 1935

Michigan State Department of Public Health. Rules pertaining to use and operation of indoor and outdoor artificial swimming pools. Free. 8p Michigan State Dept. Pub. Health. 1932

Treatment of the drowned, suffocated, or electrically shocked. Michigan State Dept. Pub. Health. 1916

Michigan, University of, Department of Physical Education for Women. Physical education activities for high school girls. Lea & Febiger. 1928

Microscopical Examination of Water. See Water Analysis, bacteriological

Middleton, Christofer. Art of swimming; being a short introduction for to learne to swimme; gathered out of Master Dibgibes Booke of the art of swimming and translated into English for the better instruction of those who understand not the Latine tongue. 42p London. 1595
Printed by James Roberts for Edward White, to be sold at the little north doore of Paules church, at the sign of the Gun. 1st translation of Digby's book.

Migette, L. Gamme colorée pour dosage du chlore de O, 2 dmg à 1 dmg o/oo de chlore. *Rev. d'hyg.* March 1937

Mijnlieff, C. J. Best method of manual artificial respiration and how to apply it. *Lancet.* June 20, 1935

Studies on pathogenesis of drowning and its treatment. *Nederl. tijdschr. v. geneesk.* July 10, 1937

Welche ist die beste Methode der manuellen künstlichen Atmung und in welcher Weise ist dieselbe am besten auszuführen? *München. med. Wchnschr.* Nov. 15, 1934

Zwei neue Methoden künstlicher Atmung. *München. med. Wchnschr.* Jan. 10, 1935

Mildner, Friedrich (ed.). Olympia 1936 und die Leibesübungen im nationalsozialistischen Staat. 2v Buchvert. Olympia. 1934

Miles, C. E. Evolution of a swimming pool. (il) Am. City. Sept. 1927

Miles, M. M. See Hellebrandt, Frances A. jt. auth.

Military Use

See also Pools and Bathing Places, for air-raid and poison-gas protection

—swimming in peace and war with personal experiences. [Karl Blind] *Chamber's J.* Aug. 1902

—swimming soldiers, a new method of mass instruction in swimming especially adapted to military men. [Elbridge Colby] \$1.25 129p Lea. U.S. Quartermaster Assoc. 1924; also *Swim.* June-July 1925

—teaching swimming to soldiers. [Elbridge Colby] *Am. Phys. Educ. Rev.* March-April 1925

—war-time need—a peace-time boon. *Playground.* Sept. 1919

HISTORICAL MATERIAL, Anleitung für den Schwimm-unterricht an die Mannschaften bei den Heeresabteilungen (introduction to swimming—instruction to the crews in army sections). 40p Reichel. 1881

—Anweisung für den Schwimmunterricht der Russischen Cavallerie (instruction for teaching swimming in the Russian Cavalry). 11p Kreisel & Gröger. 1894

—boke called the Gouverour. [Thomas Elyot] Knight. 1531. 1537. 1834. Ed. by H. H. S. Croft. 1880
Contains several pages on the usefulness of "Swymmyng" in time of war.

—de la natation et de son application à l'art de la guerre (concerning swimming and its application to the art of war) (il with 12 lithographs). [le vicomte L. de Courtivron] 1st ed. 146p 1823. 2nd ed. 146p with 60p preface added. Boucher. 1824

—l'esprit de l'homme de guerre (spirit of the soldier). [L. A. d'Esmond] 414p Paris. 1830

—Instruktion für den militärischen Schwimm-Unterricht nach der Pfuel'schen Methode, nebst Nachweisung der Vortheile dieser Methode vor der d'Argy'schen (oder d'Urgh'schen) (instruction for military swimming according to the Pfuel method showing its advantage over that of d'Argy (or d'Urgh)). [K. von Thümen] 40p Berlin. 1861

—Leitfaden für den Militär-Schwimm-unterricht (manual of military swimming). [Adolph von Buonaccorsi di Pistoja] 116p Vienna, Austria. 1879

—military system of gymnastic exercises and a system of swimming, prepared under the instructions of the superintendent, for the use of the cadets of the United States Military Academy and military colleges. [Edward Samuel Farrow] 81p Metropolitan Pub. 1881

—Schule der Schwimmkunst (study of the art of swimming). (Braumüller's Militärische Taschenbücher). [Johann Himmel] 152p Vienna, Austria, and Leipzig, Germany. 1895

—swimming as a military and naval exercise. [Guy C. Rothery] Colburn's Mag. Nov. 1886

—swimming drill, describing the plan of instruction used in the French army. [H. Torkington] 18p W. Mitchell. 1876

—swimming in the Royal Navy. [Harry W. Fisk] Swim. News. May 1, 1878

—traité complète de natation. Essai sur son application à l'art de la guerre (complete treatise on the art of swimming. Essay on its application to the art of war). [le vicomte L. de Courtrivron] 588p Piliau de la Forest. 1836

—treatise of swimming as taught at Berlin in the military college. [C. W. S.] Ollivier. 1846

—warrior's swimming book. [Paulin Huggett Pearce] 16p Roberts. 1869

Millan, L. du P. Municipal plunge in Brookside Park, Pasadena. Am. City. June 1917

Miller, A. A. See Ugloff, V. A. jt. auth.

Miller, A. H. Resuscitation. Rhode Island M.J. March 1932

Miller, Eli P. How to bathe. 25c Fowler & Wells

Miller, H. E. Summer camp safety. North Carolina State Board Health Bull. June 1927

Miller, J. W. Clairton Park municipal swimming pool: an outstanding pool development. (il) Am. City. Oct. 1930

Miller, R. B. Some observations on avoiding drowning. U.S. Nav. M. Bull. July 1927

Watermanship versus swimming qualification. J. Am. Med. Assoc. Aug. 13, 1927. *Review Am. Phys. Educ. Rev.* Dec. 1927

Mills, Fred C. Civic instruction in swimming. World Today. Jan. 1911

Help! Help! Saf. Educ. June 1932

Successful swimming teaching programs at camps. Camper & Hiker. May 1929

Water accident prevention, "The Buddy Plan." Phys. Train. June 1923

Waterfront protection for summer camps. Phys. Train. June 1920

Milner, E. Try the new butterfly! (il) St. Nichol. Aug. 1936

Miloslavich, E. L. Medicolegal necropsy; pathological anatomy of death by drowning. Am. J. Clin. Path. Jan. 1934

Milovanovič, M. Persistente Trommelfellperforation und Ertrinkungstod. Deutsche Ztschr. f. d. ges. gerichtl. Med. 22:427-32. 1934

Milsom, G. History of the Red Cross. World's Health. Jan. 1922

Miltimore, Edward. Colloids challenge to athletes' foot. Beach & Pool. April 1935; also *Swim. Pool Data & Ref. Ann.* 3:58. 1935

Minch, Alphons. Die Schwimmkunst. 27p Münster, Germany. 1898

Mine Safety Appliance Company. H. H. inhalator for the treatment of respiratory failure. Charts. Free. Mine Saf. Appli. Co. 1934

Mineral Baths. See Spas

Ministry of Health. Public baths and washhouses: annual report, 1935-36. Baths & Bath Engin. Nov. 1936

Minnesota State Board of Health. Sanitary features to be observed in the design and construction of swimming pools and wading pools. Free. 14p Minnesota State Board Health. 1936

Minning, H. Über den Wert eines schwimmenden Kur- und Sportbades. Deutsche med. Wchnschr. April 30, 1937

Mississippi State Board of Health. Sanitary regulations of the Mississippi State Board of Health: swimming pools. Free. 3p Mississippi State Board Health. Sept. 1937

Missiuro, W. and Czarnocka, W. L'influence de la fatigue et de l'entraînement sur la fonction circulatoire du sang après les sports physiques. Liège méd. Dec. 16, 1934

Missouri State Board of Health. Approved standards for design and operation of public bathing places. Free. 13p Missouri State Board Health. 1937

Regulations governing sanitation of public bathing places. Free. 1p Missouri State Board Health. 1937

Mitchell, C. A. Dorton; a forgotten spa and its waters. Discovery. Feb. 1927

Mitchell, Cecil. Construction and maintenance of a swimming bath water purification plant. Baths & Bath Engin. Dec. 1937

Staff organisation as applicable to baths maintenance. Baths & Bath Engin. Feb. 1938

Mitchell, Elmer D. (ed). Sports for recreation. \$2.50 Barnes. 1936
Prepared with the assistance of the staff of the Department of Intramural Sports of the University of Michigan. Swimming and diving, ch22.

—and **Mason, Bernard S.** Theory of play. 547p Barnes. 1935

Mitter, M. Der Wasser-Ski-Sport. (il) 44p Freytag. 1930

BIBLIOGRAPHY OF SWIMMING

Miyama, A. Investigation into influence of bodily exercise on function of circulatory system; influence of cold-water swimming upon pulse rate and blood pressure. *Acta scholae med. univ. imp.* 13:51-55. 1930

—**and Shi, K.** Investigation into influence of bodily exercise on function of circulatory system; influence of long-distance swimming upon pulse rate and blood pressure. *Acta scholae med. univ. imp.* 12:521-24. 1930

Mo, John. Transfer value of athletics. Thesis. Springfield Col. 1926

Mochtar, A. See Sardjito, M. jt. auth.

Modified Polo. See Polo, modified

Moëbs, Georges. See Doyen, Louis, jt. auth.

Mogg, Thomas E. Bacteriological analysis of swimming bath water. *Baths & Bath Engin.* April 1937

Fifty years ahead; the baths of the future. *Baths & Bath Engin.* Aug. 1936

Sterilisation of swimming bath water: a review of methods. *Baths & Bath Engin.* May 1937

Moisseiff, Leon S. Review of the literature of reinforced concrete. 63p Engin. News Bk. Dept. 1909

Moll, A. A. Sanitation of swimming pools. Am. City. April 1913

Moll, K. Therapeutic factors of Héviz baths. *Budapesti orvosi ujság.* June 10, 1937

Monks, Sidney J. Life saving in 1934. *Swim. Times.* June 1935

Life saving throughout the British Empire. *Swim. Times.* Aug. 1934

Monroe, H. B. Swimming classes for beginners. *J. Phys. Educ.* April 1929

Montana State Board of Health. Swimming pools: their design, operation and maintenance. Free. 18p Montana State Board Health. 1937

Montgomery, Hamilton. Modern pool: its safety and sanitation. *Swim. Pool Data & Ref. Ann.* 5:59-60. 1937

Montieth, James K. Progressive pool. Beach & Pool. April 1937

Moody, M. H. Swimming pool, inland. Am. City. Sept. 1935

Moore. Health, disease and remedy. Bathing, its utility. *Harper's Mag.* July 1850

Moore, C. U. Prevention of swimming pool infections. *Northwest Med.* June 1924

Moore, E. C. East Cleveland's municipal swimming pool. *Red Cross Cou.* March 16, 1925; also Am. City. April 1925

Moore, George T. and Kellerman, Karl F. Copper as an algicide and disinfectant in water supplies. 55p Gov. Printing Off. U.S. Dept. of Agriculture, Bureau of Plant Industry. *Bulletin no. 76.* 1905

Method of destroying or preventing the growth of algae and certain pathogenic bacteria in water supplies. 44p Gov. Printing Off. U.S. Dept. of Agriculture, Bureau of Plant Industry. *Bulletin no. 64.* 1904

Moore, J. Purification of swimming bath's water. Surveyor. Oct. 21, 1927

Morax, V. Conjunctivite folliculaire dite de piscine. Notes de laboratoire. *Rev. internat. du trachome.* Jan. 1932

Les conjonctivités folliculaires. *Bull. et mém. Soc. franç. d'opht.* 46:5-142. 1933

Morden, W. E. New handbook on training for athletic exercises, including aquatics and swimming. 1s. 58p Seale. 1887

Moren, A. T. Effect of music on heart rate. Thesis. Springfield Col. 1921

Morgan, S. H. Municipal baths and water purification. *J. Roy. San. Inst.* March 1936

Morginson, W. J. Dermatophytosis of feet, hands and groins: clinical and therapeutic consideration emphasizing stages of infection. *Illinois M.J.* Oct. 1936

—See Phillips, H. T. jt. auth.

Morhardt, P. E. Quelques cas évitables de noyade. *Nature.* Nov. 15, 1927

Morris, F. F. Resuscitation: facts vs. propaganda. *Sc. Am.* July 1923

Morris, H. G. National survey of intermediate swimming in the Y.M.C.A. Thesis. Springfield Col. 1937

Morris, Malcolm (ed.). Book of health: observations on the disgrace that all are not able to swim. *Swimming,* p453-4; 576; 708. London. 1884

Morris Knowles, Inc. Details of design of Emma Kaufman pool. *Beach & Pool.* May 1935

Morrison, Donald. How to learn to swim. (il. with 14 cuts) 2d. 16p Sunday School Union. 1897

Morrison, M. Making the swimming pools safe; clean bodies, clean suits, clean water and clean tanks are all necessary to curb bacterial infection. Forecast. July 1927

Morton, J. A. Polo trials justified: York River swim. *Swim. Times.* July 1934

Moseley, Wm. H. Chloramines in swimming pool sterilization. *Beach & Pool.* June 1933; also *Notab. Swim. Pools.* 1:93. 1933

Preparation of bathhouses: prepare your bathhouse for the 1937 season in such a manner that good-will and patron satisfaction will be increased. *Beach & Pool.* May 1937

Suction pool cleaning. *Swim. Pool Data & Ref. Ann.* 4:62-63. 1936

Moss, F. J. Experimental studies of water purification; description of experimental water-purification plant. (il) Pub. Health Rep. Oct. 1, 1926

Mott, G. E. Muscular cramps—reneuritis. *J. Am. Med. Assoc.* Feb. 5, 1927

Mottistone. Welcome to Empire swimmers. *Swim. Times.* Aug. 1934

Moulton, R. H. Staying death's hand: the pulmotor. *Tech. World.* June 1912

Moxon, David. Bacteriological study of bathing beach waters in New Haven harbor. Thesis. Yale Univ.

—See Winslow, Charles Edward A. jt. auth.

Moyer, J. A. and Fitz, R. U. Air conditioning. \$4 McGraw-Hill. 1933

Moyle, William James. Study of speed and heart size as related to endurance in swimming. Thesis. Univ. Iowa. 1936

Mühlenbach. See Schmidt, jt. auth.

Mueller, H. C. Swimming pool. *Am. Phys. Educ. Rev.* April 1908

Müller, Max. Katechismus der Schwimmkunst. (Illustrierte Katechismen). 101p Hesse. 1891

Müller, R. Treatment of arthritis in health resorts. *New York State J. Med.* Feb. 1, 1938

Muller and Marchand-Alphant. Les lésions de la submersion dans la survie. *Ann. de méd. lég.* July 1935

Muller, A. C. Artificial respiration with a lemon squeezer. (il) *Sc. Am.* Jan. 4, 1913

Mumford, A. A. Studies of the specific gravity of boys in the swimming bath. *Chapter from Healthy Growth.* \$5; 16s. 348p Oxford Univ. Press. 1927

Mumford, G. S. Sanitation of bath house. *Nation's Health.* May 1923

Munday, R. P. Municipal swimming pool at Lynchburg, Va. *Beach & Pool.* Aug. 1927

Municipal Pools. See Pools and Bathing Places, municipal; Pools and Bathing Places, Operation of, municipal and public pools; Pools and Bathing Places, Sanitation of

Municipal Programs for Recreation. See Recreational Swimming, programs

Munn, O. D. Are swimming pools a health menace? (il) *Sc. Am.* Oct. 1931; also *Hygeia.* April 1932

Murchie, Robert W. Minnesota state-wide recreation program. 31p Univ. Minnesota. 1934

Murphy, Edward J. and Costello, M. J. How to instruct the blind to swim. *Swim. Pool Data & Ref. Ann.* 6:42-43. 1938

Murphy, Lindon John. Planning the outdoor swimming pool. 10c 39p Iowa State Col. Bulletin 108, Engineering Extension Service. 1931

Muscularly Handicapped. See Corrective Swimming, in muscle reeducation; Cripples

Music. See Exhibitions, pageants; Teaching, use of music

Muzzey, Arnold Kingsley. Bacteriological study of swimming pool sanitation, a thesis in hygiene. Thesis. Univ. Pennsylvania. 1933

Myles, A. Thomson. Swimming annual, containing careful and reliable information regarding records, winners, etc., of the various championships (first in 1858) with photos of winners for 1896. 41p Edinburgh Ath. Times. 1897

Myrick, Herbert. *Swim for life.* \$1 Judd. 1904

N

Nachtegall, F. Kort anvisning til at lære at svømme. 24p Copenhagen, Denmark. 1834

Nachtigall, G. Das Schwimmbeckenwasser der Hamburger Hallenbadeanstalten. *Techn. Gemeindeblatt.* June 5, 1927

—and **Keim, P.** Aus der Praxis der Trinkwasserauschlörung. *Techn. Gemeindeblatt.* March 5, 1928

Nadal, P. Physiologie générale du nager chez l'homme. *J. de méd. de Bordeaux.* 41:551; 567. 1911

Nagashige, Y. See Fujita, H. jt. auth.

Nageur (pseud). Art of swimming. 12p Goode. 1880(?) Author's real name believed to be Benjamin Clayton.

Nakano, S. Tokyo's bath clubs. *Trans. Pacif.* Oct. 30, 1926

Nankivell, A. T. Sand filtration and purification of chalk waters. *Am. J. Hyg.* Aug. 5, 1911

Napoli, F. de. Un precedente circa la dermatitis bullosa striata praevis, o dermatite da bagno all'aperto, di Oppenheim e la consecutiva pigmentazione. *Bull. d. sc. med., Bologna.* Jan.-Feb. 1934

Narum, F. M. Patron control. *Beach & Pool.* April 1935

Nash, Jay B. Administration of physical education. \$3 491p Barnes. 1931 Organization and administration of playgrounds and recreation. (il) \$4 547p Barnes. 1927; *review* *Am. Phys. Educ. Rev.* Dec. 1927

Nason, S. K. Cooperation of public schools with municipal gymnasiums and baths in teaching swimming to children. *Proc. Am. Assoc. Hyg. & Baths.* p33-7. 1916

Importance of teaching school children to swim. *Am. City.* Sept. 1916

Indoor pools. *Playground.* April 1917

Suggestions for increasing attendance at swimming pools. *Playground.* June 1921

—See Brown, V. K. jt. auth.

Nathans, Elkin. Painting your pool. *Beach & Pool.* March 1936

National Aquatic Schools. See Aquatic Schools, American Red Cross

BIBLIOGRAPHY OF SWIMMING

National Association of Bath Superintendents. British swimming bath water standard: examination of swimming bath water. *Baths & Bath Engin.* Oct. 1936

Water in public swimming baths. *Baths & Bath Engin.* Nov. 1936

—annual conference, Scarborough, 1937. [C. N. Bond] *Baths & Bath Engin.* May 1937

National Association of Directors of Girls' Camps. See *Camp Directors Association, Swimming Committee*

National Collegiate Athletic Association. Changes in the 1936-37 swimming rules as announced by E. T. Kennedy, editor, N.C.A.A. Swimming Guide, and released by Michigan High School Athletic Association. *Beach & Pool.* Jan. 1937

Impressions of Olympic Games of 1924. Am. Sports Pub. 1926. *Report* by Stagg, A. A.; McKenzie, R. T.; Brown, John, jr.; and Griffiths, J. L. Official rules for swimming, diving, water polo; intercollegiate and interscholastic. (Spalding's Athletic Library No. 361). 25c Am. Sports Pub. Annual since 1916
First few publications issued in conjunction with Y.M.C.A.

Olympic swimming championships of 1932. p50 *Swim. Guide.* 1933

—fifth annual national championships. [F. W. Luehring] *Ath. J.* May 1928

—national championship and National Collegiate Athletic Association meets. [R. G. Clapp] *Ath. J.* May 1929

—seventh annual swimming championship of the N.C.A.A. [F. W. Luehring] *Ath. J.* Sept. 1930

—tenth annual N.C.A.A. swimming championships. [F. W. Luehring] *Ath. J.* Dec. 1933

National Collegiate Life Saving Society. Explanation of the required tests. p53-7 *Swim. Guide.* 1938

Tests and standards required to qualify for the life-saving diploma. p52 *Swim. Guide.* 1938

National Federation of France. —swimming and life saving of. [Herbert G. Allphin] *Beach & Pool.* March 1938

National Recreation Association. Adapting games for water play. Mimeo. 3p N.R.A. July 1934

Analysis of construction and operation costs of swimming pools, bathing beaches, wading pools in sixty American cities. *Playground.* Aug. 1929

Charges and fees for community recreation: facilities and activities of public park, recreation and school system. Pa. \$1 Cloth \$1.50 N.R.A.

Cost of constructing and operating public recreation facilities. 25c N.R.A. 1936

Games and water sports. N.R.A.

National physical achievement standards for boys. 10c N.R.A. 1936

Popularizing the swimming badge tests. *Recrea.* July 1933

Recreation yearbook. *Recrea.* June 1936; June 1937; June 1938

Recreative athletics. \$1 N.R.A. 1937

Water sports, ch6. *Swim for it: new emblem of National Recreation Association sets three goals for water sports efficiency.* J. Health & Phys. Educ. Oct. 1932

Swimming badge tests for boys and girls. Rev. May 1, 1936. Single copies free; additional copies 10c ea. N.R.A.; also Am. Phys. Educ. Rev. May 1929; also *Playground.* July 1929; also *Mind & Body.* Sept.-Oct. 1931

Water play days. 20c N.R.A. 1936

Water sports. 10c N.R.A. July 1934

—See Breen, Mary J. author for

National Recreation Association Tests. See Tests, badge

National Safety Council. Help to prevent drownings. Am. City. June 1925

Naval Academy, U.S., Test. See Tests, U.S. Naval Academy

Naville, F. and Frommel, E. La noyade par inhibition ou syncope. Étude expérimentale des réflexes nasaux et auriculaires susceptibles de provoquer la noyade par syncope ou inhibition. Applications médico-légales. J. de méd. de Lyon. Nov. 20, 1933

Neal, J. Art of swimming made easy. 41p London, 61 St. Johns Square. The Author. 1868

Nebraska State Board of Health. Information concerning construction and operation of swimming pools. Free. 6p Nebraska State Board Health. 1937

Rules and regulations relating to swimming pools and the quality of swimming pool water. Free. 5p Nebraska State Board Health. 1937

Negativism. See *Corrective Swimming, for negativism*

Neilson, Robert S. Design, construction and maintenance of outdoor swimming pools. Thesis. State Col. Washington. 1937

Nelligan, Richard Francis. Art of swimming—for Amherst students. 1st ed. 50p Carpenter & Morehouse. 1906; 2nd ed. 60c 50p Am. Gym. Co. 1906

Swimming. *Am. Swimmer.* June-Aug. 1922

World-wide sport. *Country Life.* Aug. 1905

Nelson, F. Safety in water sports. *Hygeia.* May 1937

Nelson, Janet F. Leisure-time interests and activities of business girls. Woman's Press. 1933

Neon Lighting. See *Pools and Bathing Places, Lighting of, neon*

Nervegno, E. Spontanheilung ausgedehnter Lungenherde bei einer Wettenschwimmerin. *Ztschr. f. Tuberk.* 54: 46-49. 1929

Neumeyer, Esther S. See Neumeyer, Martin H. jt. auth.

Neumeyer, Martin H. and Esther S. Leisure and recreation. 405p Barnes. 1936

Neuromuscular Learning. See Teaching, neuromuscular learning

Neuschloss, S. M. La signification physiologique de l'excès acide de l'urine. Compt. rend. Soc. de biol. Nov. 14, 1932

Nevada State Board of Health. Laws relating to public swimming pools and bathhouses and regulations governing the sanitation, safety and cleanliness of public bathing places. Free. 15p Nevada State Board Health. 1937

Neveu, R. Les piscines dans les stations hydrominérales. Ann. d'hyg. June 1932; also Presse Therm. et Climat. Sept. 15, 1932

Les piscines et la santé publique. Ann. d'hyg. Nov. 1934

—See Bordas, F. jt. auth.

Nevill, Ralph Henry. Old sporting prints. Connoisseur. Extra number. 82p incl. col. front. 8pl. 35 col. pl. 1908

Nevins, Bert. High diving championship. Beach & Pool. April 1936

New England Water Works Association. Report of committee on statistics of water purification. New England Water Works Assoc. 1915

New Hampshire State Board of Health. Manual for health officers. Free. 64p New Hampshire State Board Health. 1936

Regulations governing the sanitation of juvenile recreational camps. Free. 8p New Hampshire State Board Health. 1928

New Mexico State Bureau of Health. Regulations governing the construction and operation of swimming pools. Free. 2p New Mexico State Bur. Health. 1937

New York State Department of Health. Operation of swimming pools and bathing beaches. New York State Dept. Health. 1932

Sanitary code established by Public Health Council of state of New York applying to camps, with amendments effective June 1, 1924. Free. 7p New York State Dept. Health

Sanitary code established by the Public Health Council of the state of New York: swimming pools and bathing beaches. Free. 4p New York State Dept. Health. 1934

Water supply control: 1. the protection of water supplies from pollution; 2. the operation of water purification plants; 3. laboratory control. (il, tables, diagrs) 141p New York State Dept. Health. 1933

New York State Public Health Council. Sanitary code: swimming pools. Am. Phys. Educ. Rev. May 1928

New York World's Fair. See World's Fair, New York, 1939

New Zealand Amateur Swimming Association. New Zealand swimming annual. New Zealand A.S.A. Annual since 1891

New Zealand, Competition in. See Competition, in New Zealand

Newell, William A. Letter from William A. Newell, originator of the U.S. Life Saving Service in 30th Congress to Hon. William J. Sewell. 22p Meyer & Noll. 1898

Newman, Charles. Swimmers and swimming or the swimmer's album. 93p Pictorial Press. 1898

Newman, O. S. Swimming pool on top of the ground; Cleveland, Ohio. (il) Am. City. May 1928

Niccoli, P. Sterilizzazione delle acque per uso potabile (processi Otto). Med. ital. Dec. 1926

Nicholls, C. P. L. Every sixth grade boy and girl a swimmer. Beach & Pool. Feb. 1931; also J. Health & Phys. Educ. Feb. 1931

Olympic athletes will swim in pure water; Los Angeles swimming stadium. Am. City. July 1931

Olympic swimming stadium. Beach & Pool. May 1931

Pools, beaches and water safety programs in Southern California; a 4th International Swimming Pool Clinic speech. Beach & Pool. Nov. 1937

Rip tide. Beach & Pool. March 1937

Water tribe: a practical and interesting water pageant submitted. Beach & Pool. Jan. 1937

—See Hjelte, George, jt. auth.

Nichols. Swimming pool games. Am. Land. Architect. July 1930

Nichols, M. S. See Stovall, W. D. jt. auth.

Nichols, T. L. Bathing and swimming without danger of drowning. 32p Aquat. Saf. Co. 1870; also Farrah & Co. 1873

Nicholson, W. Why men cannot swim without previous education as well as brutes. J. Nat. Philos. 1806(?)

Nickol, T. F. Das Ganze der Schwimmkunst. 84p Fuerst. 1841

Nielsen, Holger. Holger Nielsen method of artificial respiration. Typewritten. 8p Hellerup, Denmark. The Author. 1938

Holger Nielsens metode for kunstigt aandedraet. Yrbk. Danish Fishing Fleet 1938. Reprint 6p Hellerup, Denmark. The Author. 1938

Instructions for Colonel Holger Nielsen's method for artificial respiration. (il) 7p Hellerup, Denmark. The Author Livredning. (il) 88p Gyldend. Boghand. Nord. Forlag. 1937

Nielsen Method of Resuscitation. See Resuscitation, Nielsen method

Nieman, Herbert A. Crawl stroke. (il) 25c 21p Nieman. 1919

Niles, Marston. Lifeships. 10p Brunswick, 1912(?)

BIBLIOGRAPHY OF SWIMMING

Ninekirk, C. Sterilizing the modern pool. Architect & Engin. Sept. 1932

Nissen, H. Art of swimming. Posse Gym. J. May 1919

Swimming a necessity in education. Am. Phys. Educ. Rev. 5:74-80. 1900

Nixon, E. W. See Williams, J. F. jt. auth.

Nobis, B. Mark. Pathology of swimming. Camping. Jan. 1935

Noguchi, Genzaburo. Sports in Japan. 24p Inst. Pacif. Relat. 1929

Noll, H. Beitrag zur Enteisung und Entmanganung des Wassers. Techn. Gemeindeblatt. Jan. 20, 1927

Nordgren, G. and Funkquist, P. Bases for hygienic evaluation of water in indoor swimming pools. Nord. hyg. tidskr. 18:412-22. 1937

Norelius, Charles. Swimming. \$1.50 102p Stone. 1934

Norley, William James. Technique of natation; methods for teaching swimming in or out of the water (patented; no. 11,320—1895). London. The Author. 1895

Normand, A. Piscine de natation à Vanoes. 1881

North Carolina State Board of Health. General specifications for purification and recirculation equipment for swimming pools. Free. 8p North Carolina State Board Health. 1937

North Dakota State Board of Health. Swimming pools and other public bathing places. North Dakota State Board Health. 1937

Norton, J. F. Study of a swimming pool with a return purification system. Am. J. Pub. Health. Nov. 1914

Norway, Sjøfartskontoret. Laws and regulations of the kingdom of Norway relative to life-saving appliances and their use on ships. 15p Gov. Printing Off. 1912

Printed for the use of the Committee on Commerce.

Norwegian regulations respecting means of saving life at sea. 13p Gov. Printing Off. 1912

Printed by order of the Committee on the Merchant Marine and Fisheries,

Norwood Engineering Company. Filters for natatoriums. Free. Norwood Engin. Co. 1937

—See Bacharach, E. W., and Company, jt. auth.

Nouaille, R. La piscine à eau de mer d'Anglet, près de Biarritz. Génie Civil. Oct. 8, 1932

Novak, Edward. Outline of compact pool unit. (diag) Swim. Pool Data & Ref. Ann. 6:70. 1938

Novak, F. L. Modern pool illumination. Beach & Pool. Aug. 1929

Nowlin, Marjorie R. Study of the correlations between the rate of learning to swim in deep water and various measurable factors. (tables). Thesis. 61p Wayne Univ. 1936

Nowotny, M. Betriebs Befahrungen mit regeniertem Badewasser im Frankfurter Hallenschwimmbad. Gesundh.-Ing. 47:401-07. 1925

Ein Hallenschwimmbad für Fechenheim a. M. Gesundh.-Ing. April 7, 1928

Künstliche Luftungsanlagen für Hallenschwimmbäder. Gesundh.-Ing. Sept. 8, 1927

Ein zeitgemässes Grosstadt-Volksbrausebad in Frankfurt a. Main. Gesundh.-Ing. Jan. 1, 1927

Nunan, Carl T. Sutro baths. Beach & Pool. Dec. 1934

Nussbaum, Moritz. Lehrbuch des Wasserballspiels. (Sportbibliothek). Koehler & Volckmar; Quelle & Meyer. 1930

O

Oaks, Harold Ducke. Study of the optimum time for holding a swimmer on his mark. Thesis. Univ. Iowa. 1936

Oberste-Berghaus, G. Hallenschwimmbad. Monatsh. Bauk. June 1933

Objective Tests. See Tests, objective

Observation Windows

- concrete tank can minimize coaches' problems. [A. E. Gordon] Beach & Pool. Aug. 1936
- observation windows: development and use. (il) [Edward T. Kennedy] Swim. Pool Data & Ref. Ann. 5:56-57. 1937

Obst, P. H. Care of indoor swimming pool. Phys. Train. Nov. 1920

Ocean Liners, Pools on. See Pools and Bathing Places, on ocean liners

O'Connor, G. D. Water purification plant at the Schubert swimming bath, Montreal. Canad. Engin. Aug. 23, 1932

Odor Elimination from Water. See Water Purification, taste and odor elimination

Oelricks, Hermann. Swimming. Lippincott's M. Mag. 1892(?)

Officiating

- See also Coaching; Diving; Polo; Teaching
- for high school swimming meets. [Irene Harris] Service Bull. Dec. 1937
- intercollegiate swimming score book. [James R. Smith] \$1 Intersch. Sports Pub. Co. 1938
- interscholastic swimming score book. [James R. Smith] \$1 Intersch. Sports Pub. Co. 1938
- optimum time for holding a swimmer on his mark. [Harold Ducke Oaks] Thesis. Univ. Iowa. 1936
- systematized swimming meets. [Marjorie M. Mayer] J. Health & Phys. Educ. Feb. 1937
- tips on. [Edward T. Kennedy] Swim. Pool Data & Ref. Ann. 4:47-48. 1936

JUDGING DIVING. See also Diving
—electrical device for flashing awards. [T. K. Cureton, jr.] Beach & Pool. Feb. 1934

—how to judge fancy diving. [Frederick A. Spongberg] Downtown Ath. Club Mag. Nov. 1935

—intercollegiate diving and rapid computer score book. [James R. Smith] \$1 Intersch. Sports Pub. Co. 1938

—interscholastic diving and rapid computer score book. [James R. Smith] \$1 Intersch. Sports Pub. Co. 1938

—official score card for championship diving. [Recreation Equipment Company] Card. Free. Recrea. Equip. Co.

—suggestions for. [Frederick A. Spongberg] Beach & Pool. May 1937

RULES FOR SWIMMING, DIVING AND WATER POLO, aquatics for women and girls, official swimming rules. (Spalding's Athletic Library No. 125R). [American Association for Health and Physical Education, National Section on Women's Athletics] Annual 1931-1935
Published in 1931 and 1932 under title Aquatics; eds. of 1933 and 1934 and 1935 supplement under title Water Sports. Am. Sports Pub. 25c

—changes in the 1936-37 swimming rules as announced by E. T. Kennedy, editor, N.C.A.A. Swimming Guide, and released by Michigan High School Athletic Association. [National Collegiate Athletic Association] Beach & Pool. Jan. 1937

—control of the sport—diving. [Amateur Diving Association] Swim. Times. May 1935

—do water polo rules require amending? Suggestions for revision put forward by six countries. Swim. Times. June 1936

—modified water polo rules. [University of Illinois] Water Sports. p51-4. 1935-36

—new "starting" law. [Allen J. Perring] Swim. Times. Feb. 1937

—new swimming rules. [W. H. Ball] Phys. Train. Jan. 1918

—New Zealand swimming annual. [New Zealand Amateur Swimming Association] New Zealand A.S.A. Annual since 1891

—official rules for swimming, diving, and water polo. [H. W. Handley & Ernst M. Brandsten] Free. Van Arsdale-Harris. 1929

—official rules for swimming, diving, water polo: intercollegiate and interscholastic. (Spalding's Athletic Library No. 361). [National Collegiate Athletic Association] 25c Am. Sports Pub. Annual since 1916
First few publications issued in conjunction with Y.M.C.A.

—proposed rules for form swimming contests. [Frank J. Sullivan] Article from Swim. Guide. 1915-16

—recommendations accepted. [Interscholastic Swimming Coaches of America] Scholastic C. Feb. 1937

—relay scoring perplexing. [Interscholastic Swimming Coaches of America] Scholastic C. June 1937

—rules and laws governing swimming, diving and water polo 1937-1940. [Fédération Internationale de Natation Amateur] \$1 164p F.I.N.A. 1937-40
Obtainable in America from A.A.U.

—rules for swimming, diving, water polo. (Spalding's Athletic Library). [Amateur Athletic Union of the United States] 15c Am. Sports Pub. Annual since 1932
Previous to 1932 aquatic section included in A.A.U. handbook of all sports.

—water sports. (Spalding's Athletic Library No. 125R). [American Association for Health and Physical Education, National Section on Women's Athletics] Annual 1931-1935
Published in 1931 and 1932 under title Aquatics; eds. of 1933 and 1934 and 1935 supplement under title Water Sports. Am. Sports Pub. 25c

STOP-WATCH TIMING, analysis of the errors of. [T. K. Cureton, jr.] Res. Quart. May 1933

—mechanical timing. [Edward T. Kennedy] Beach & Pool. April 1935

Ogden, H. N. Sanitary aspects of the swimming pool at Cornell University. Am. Phys. Educ. Rev. Jan. 1918

Ogilvie, J. S. Swimming and skating. 15c Ogilvie. 1902

O'Hare, Harry. Administration and operation of pools and beaches. Swim. Pool Data & Ref. Ann. 4:43-44. 1936

Fourth International Swimming Pool Clinic to be held in the Medinah Club of Chicago, September 7, 8, 9, 10, 11. Beach & Pool. July 1937
New type of pool adopted by the Chicago Park District. Swim. Pool Data & Ref. Ann. 4:44-45. 1936

Ohio Conference on Water Purification
—second annual report. [Ohio State Department of Health] Ohio State Dept. Health. 1923

Ohio Health News. Old swimmin' hole as a danger spot. Lit. Dig. Sept. 4, 1926

Ohio State Department of Health. Conference on water purification. Ohio State Dept. Health. 1927
Regulations governing public swimming pools suggested for adoption by general health districts in Ohio. Free. 4p Ohio State Dept. Health. 1937

Second annual report of Ohio Conference on Water Purification, held at Columbus November 16-18, 1922. Ohio State Dept. Health. 1923

Oil. See Pool Buildings and Water, Heating of, oil; Water Pollution, from oil

Oklahoma State Board of Health. Standards for design, equipment, and operation of swimming pools in the state of Oklahoma. Free. 13p Oklahoma State Board Health. 1937

BIBLIOGRAPHY OF SWIMMING

Oldham, J. B. Continuous artificial respiration, with maintenance of circulation for 12 hours after apparent death. *Lancet*. Sept. 7, 1929

Olds, E. H. Crawl vs. breast. *Swim.* July 1925

Olsen, Louis. To swim or not to swim. *California State Dept. Pub. Health Bull.* Nov. 16-23, 1935

Olszewski, W. Chlor-Silberung des Schwimmbeckenwassers in Verbindung mit Chlor-Kupferung. *Gesundh.-Ing.* Nov. 8, 1930

Olympic Pools. See *Olympics*; Pools and Bathing Places, Construction of, for competition

Olympic Tryouts. See *Meets, A.A.U.; Olympics*

Olympics
See also *Champions*; *Coaching*; *Competition, effects of*; *Diving*; *Polo, Olympic*; *Speed Swimming*; *Strokes*
—[R. E. Danielson] *Sportsman*. Sept. 1932
—[Laurence C. J. Laxton] *Swim. Times*. Sept. 1936
—[G. N. Shuster] *Commonweal*. Aug. 9, 1935; *also Lit. Dig.* Aug. 10, 1935
—*America and the Olympics*. [J. Broughton] *New Repub.* Nov. 6, 1935
—*American participation in*. [A. Brundage] *Proc. N.C.A.A.* p111-22. 1930
—*Amsterdam*. [Louis C. Schroeder] *Am. Phys. Educ. Rev.* Nov. 1928
—*and now the Olympics*. (il) *Rev. of Rev.* April 1936
—*athletic almanac*, containing descriptions of Olympic trials and events, of championship meets and of world and Olympic records. (*Spalding's Athletic Library*). 25c *Am. Sports Pub.* Founded by James E. Sullivan. Annual since 1893
—*Berlin venture*. [Gilbert Collins] *Swim. Times*. Sept. 1936
—*Boyolympics*. (il) [R. Borrelli] *Recrea.* July 1936
—*dark horses of the Olympics*. (il) [John Kieran] *Am. July* 1936
—*diving for your country*. [Aileen Riggan] *Country Life*. July 1922
—*examination of urine of participants in*. [O. Flössner and F. Kutscher] *Sitzungsbl. d. Gesellsch. z. Beförd. d. ges. Naturw. zu Marburg*. 62:283-93. 1927
—*Filipino athletes at Far Eastern Olympic Games*. [F. Englehart] *Phys. Train.* Nov. 1923
—*final diving tryouts held at Burnham Park, Chicago, Ill.*, July 3rd and 4th, 1936. *Section* (p265-6) *from Report of the American Olympic Committee*. \$2 491p *Am. Olympic Comm.* 1936

—final men's swimming tryouts held at Providence, R.I., July 10th, 11th and 12th, 1936. *Section* (p264-5) *from Report of the American Olympic Committee*. \$2 491p *Am. Olympic Comm.* 1936

—final water polo tryouts held at Burnham Park, Chicago, Ill., July 3rd, 4th, and 5th, 1936. *Section* (p266) *from Report of the American Olympic Committee*. \$2 491p *Am. Olympic Comm.* 1936

—final women's swimming and diving tryouts held at Astoria, Long Island, New York, July 11th and 12th, 1936. *Section* (p278-9) *from Report of the American Olympic Committee*. \$2 491p *Am. Olympic Comm.* 1936

—for girls? [F. R. Rogers] *School & Soc.* Aug. 10, 1929

—Germany prepares for Olympic Games. *Swim. Times*. Feb. 1935

—girl swimmers in. [Ada Taylor Sackett] *Beach & Pool*. Dec. 1935

—glamorous East: reflections in the Olympic pool. [Carl Wootton] *Swim. Times*. Feb. 1937

—highlights. (il, table) [W. C. Graham] *Scholastic*. Sept. 19, 1936

—Hitler's Olympic Games. *Nation*. Oct. 16, 1935

—impressions of Games of 1924. [National Collegiate Athletic Association] *Am. Sports Pub.* 1926. *Report by* Stagg, A. A.; McKenzie, R. T.; Brown, John, jr.; and Griffiths, J. L.

—in the Olympic swim. [Robert J. H. Kiphuth] *Sports Illus.* Aug. 1936

—it can be done. [Carl Wootton] *Swim. Times*. Sept. 1936

—Japan sending 373 athletes to Berlin. *Swim. Times*. Oct. 1935

—Japanese swimmers at the Olympics. [M. W. Vaughn] *Ath. J.* Dec. 1932

—Japanese victories. [R. C. Venner] *Swim. Times*. Feb. 1936

—les meilleures nageuses du monde aux Jeux Olympiques (best female swimmers of the world at the Olympic Games). *L'illustration*. Aug. 27, 1932

—my impressions of the diving in Berlin. [Pete Desjardins] *Swim. Times*. Sept. 1936

—nations eye each other on eve of 1936 Games. (il) *News Wk.* Aug. 1, 1936

—observations and tests of swimming at the 1932 Olympic Games. [T. K. Cureton, jr.] *J. Health & Phys. Educ.* March 1933

—*Olympia*. [Ernst Curtius] *Atl. Verlag*. 1935

—*Olympia 1936 und die Leibesübungen im nationalsozialistischen Staat (Olympics, 1936, and practices in the national Socialist State)*. [Friedrich Mildner] 2v *Buckvert. Olympiade*. 1934

- Olympiad, Eighth. [J. T. Hopkins] *Phys. Train.* Feb. 1925; *also Mind & Body*. March 1925
- Olympiad, VIII. [Louis C. Schroeder] *Am. Phys. Educ. Rev.* Feb. 1925
- Olympiad, XIth. *Swim. Times.* May 1935
- Olympiad, XIth. *Swim. Times.* May 1936
- Olympiad, XIth. [De Baillot Latour] *Swim. Times.* April 1936
- Olympiad, XIth. [Theodor Lewald] *Swim. Times.* Feb. 1936
- Olympiad, Eleventh. [Paul R. Washke] *J. Health & Phys. Educ.* Nov. 1936
- Olympiad, XI, Berlin. [T. W. Sheffield] *Beach & Pool.* Feb. 1936
- Olympiad, Tenth. *Mind & Body.* April 1932
- Olympiad, Tenth. [R. E. Danielson] *Sportsman.* June 1932
- Olympiad, Tenth, at Los Angeles. [J. S. Ayars] *Ath. J.* Feb. 1932
- Olympic Games. (il) *Time.* Aug. 10-24, 1936
- Olympic Games of August 1st to 16th. *Beach & Pool.* July 1936
- Olympic Games, Tenth. [H. D. Price] *J. Health & Phys. Educ.* Nov. 1932
- Olympic men's swimming championships. *Section* (p267-74) *from Report of the American Olympic Committee.* \$2 491p *Am. Olympic Comm.* 1936
- Olympic trials. *Nation.* July 18, 1936
- Olympic women's swimming championships. *Section* (p281-5) *from Report of the American Olympic Committee.* \$2 491p *Am. Olympic Comm.* 1936
- Olympics, 1928. [G. T. Kirby] *Play-ground.* March 1929
- our "scintillating" stars at Antwerp. [R. Lewis] *Outing.* Jan. 1921
- program of the Olympic Games, Amsterdam, 1928. *Am. Phys. Educ. Rev.* June 1928
- races, constitutional types and maximum output of victors in eleventh Olympic games. [W. Jaensch and A. Hoffmann] *München. med. Wchnschr.* Jan. 1, 1937
- real winners in the 1936 Olympic Games; events reevaluated on a population basis. (tables) [C. D. Snyder] *Sc. M.* Oct. 1936
- report of chairman of men's swimming committee. [F. W. Luehring] *Section* (p257-64) *from Report of the American Olympic Committee.* \$2 491p *Am. Olympic Comm.* 1936
- report of manager of women's swimming committee. [Herbert D. Holm] *Section* (p277-8) *from Report of the American Olympic Committee.* \$2 491p *Am. Olympic Comm.* 1936
- stars that shone in the Olympic heaven. *Lit. Dig.* Aug. 20, 1932
- story of the Olympic Games: 776 B.C.-1936 A.D. (il) [John Kieran] \$3.50 310p *Stokes.* 1936
- story of the Olympic Games—with official records by Leo Moriarty. (il) [Harry Spencer Stufl] 50c *Times-Mirror.* 1932
- surveying the swimmers. [Robert J. H. Kiphuth] *Beach & Pool.* April 1937
- swimming—Antwerp, 1920. [American Olympic Committee, Wahle, Otto, representative] *Section* (p246-61) *from Report of the American Olympic Committee.* *Am. Olympic Comm.* 1920
- swimming championships of 1932. [National Collegiate Athletic Association] *Swim. Guide.* p50. 1933
- swimming Japan: what can it do in the coming Olympiad? [K. Abe] *J. Health & Phys. Educ.* June 1933
- third Central American and Caribbean Olympic Games. (il) [L. de J. Osborne] *Bull. Pan Am. U.* June 1935
- tightening the reins: first method of dealing with water polo offenses. [John Hodgson] *Swim. Times.* Oct. 1935
- today and yesterday. [M. Boigey] *Living Age.* May 17, 1924
- value of. (il) [Clarence A. Bush] *Nat. Repub.* April 1936
- water polo. *Section* (p275-6) *from Report of the American Olympic Committee.* \$2 491p *Am. Olympic Comm.* 1936
- water polo. [T. J. Kimber] *Swim. Times.* Oct. 1936 and Feb. and April 1937
- why Japan has advanced. [W. J. Howcroft] *Mind & Body.* May 1933
- History. See also History
- ancient and modern. [H. Harlan] 1st ed. 25c *Sports Res. Bur.* 1931; 2nd ed. \$1 *Topanga, Calif.* The Author. 1932
- glory that was Greece: first Olympiad. [T. R. Curtis] *Sportsman.* July 1932
- Olympia, ein Vermächtnis der Griechen an die Nachwelt (Olympia, a legacy of the Greeks to the later world). [Herman Popp] 303p *Volksv. der Bücherf., Wegweiser-Verl.* 1935
- Olympia und die Olympischen Spiele von 776 v. Chr. bis heute (Olympia and the Olympic Games from 776 B.C. to today). [Richard Harbott] 237p *Limpert.* 1935
- Olympic victor monuments and Greek athletic art. [Walter Woodburn Hyde] 406p *Carnegie Inst.* 1921
- Olympics then. [A. Lunn] *Commonweal.* Aug. 14, 1936
- today and yesterday. [M. Boigey] *Living Age.* May 17, 1924

PHOTOGRAPHS, sport shots: more than one hundred and fifty action photographs of the Eleventh Olympic Games. [Paul Wolff] \$3 111p *Morrow.* 1937

BIBLIOGRAPHY OF SWIMMING

Olympics—Continued
 POOLS FOR. See Pools and Bathing Places, Construction of, for competition

O'Neil. Breast stroke and life saving. *Swim.* Sept. 1925

O'Neill, B. Our chances at the Games. *Swim. Times.* Aug. 1934

Onox Antiseptic Company. Do you know these facts about "athlete's foot"? Free. Onox Antisep. Co. 1936

Open-Air Pools and Bathing Places. See Pools and Bathing Places, outdoor

Operation of Pools and Bathing Places. See Pools and Bathing Places, Operation of

Oppenheim, M. and Fessler, A. Die Streifenförmige bullöse Freibadund Wiesendermatitis (dermatitis bullous striata prae-

10, 1932

Oppenheim's Disease. See Diseases, dermatitis bullosa striata prae-

Orchard, William J. Ammoniation practice in the east. *J. Am. Water Works Assoc.* March 1933

Oregon Bureau of Labor Statistics and Inspector of Factories and Workshops. Rules covering installation of wires and electrical equipment. (il, tables) 1932; 198p 1934; 215p Oregon State Printing Dept.

Oregon State Board of Health. General swimming pool regulations. Free. 5p Oregon State Board Health. 1937

Oren, Thomas. See Allbaugh, Edgar B. jt. auth.

Organ Weights, Effects of Swimming On. See Physiological Aspects, organ weights

Orion, W. H. Swimming—its place in the physical education program. *Swim. Pool Data & Ref. Ann.* 4:16. 1936

Orofino, Carl von. Der ausdauernde Schwimmer. Vienna, Austria. 1879 Schwimmen als Kunst und Sport. 56p Seidel. 1894

O'Rourke, J. J. Fancy diving. *St. Nichol.* July 1923

Orozco, J. E. Manual de natacion de la Asociacion Cristiana de jovenes Mexico. Mij. y Hermano. 1930

Orth, O. S. See Elhardt, W. P. jt. auth.

Orthopedics. See Corrective Swimming, in orthopedics

Osborn, Edward Bolland (comp). Anthology of sporting verse. 288p Collins. 1930

Osborne, Duffield. Common sense swimming lesson, Outing. Aug. 1900
 No excuse for drowning. (il) Collier's. Aug. 13, 1910

Surf and surf bathing. Chapter IV in Athletic Sports. (The Out of Door Library). Scribner's. 1898

Surf bathing. Outing. Aug. 1902

Osborne, E. D. and Hitchcock, B. S. Prophylaxis of ringworm of feet. *J. Am. Med. Assoc.* Aug. 15, 1931; also *Mind & Body.* Nov. 1931; also *J. Am. Assoc. Hyg. & Baths.* 16:50-56. 1932

—Putman, E. D. and Rickloff, R. J. Personal experiences in prophylaxis and treatment of ringworm of hands and feet—with sodium hypochlorite. *New York State J. Med.* Nov. 1, 1933

Osborne, L. de J. Third Central American and Caribbean Olympic Games. (il) *Bull. Pan. Am. U.* June 1935

Osinski, Walter J. Experimental testing of ability and progress in swimming. Thesis. 91p Massachusetts State Col. 1933

Osteomyelitis. See Corrective Swimming, for osteomyelitis; Diseases, osteomyelitis

O'Sullivan, J. See Cooper, E. L. jt. auth.

Otis, James (pseud). See Kaler, James Otis

Otologic Conditions Due to Swimming. See Diseases, ear

Otto, Marius Paul. L'eau (avec 108 gravures). 189p Hachette. 1934

Outdoor Championships. See Meets, outdoor

Outdoor Pools. See Pools and Bathing Places, outdoor

Overarm Stroke. See Strokes; Teaching

Overexertion as Cause of Disease. See Diseases, caused by cold and overexer-

Overheating. See Pool Buildings and Water, Heating of, overheating

Overtraining. See Coaching, training

Owen, Arthur Edward. Comparative study of articles on swimming appearing in standard magazines for the years 1918-1922. (tables, bib) Thesis. 73p Univ. Southern California. 1934

Ozellers, E. A. See Strickler, A. jt. auth.

Ozone in Water Purification. See Water Purification, ozone for

P

Pacific Camp Directors Association. Handbook for camp counselors. Ed. by Rosalind Cassidy and Homer Bemiss. \$1 94p Oakland, Calif., P.O. Box 796. Homer Bemiss. 1935

Pack, G. T. and Davis, A. H. Trials with mechanical artificial breathing. *J. Am. Med. Assoc.* Jan. 11, 1930

Packard, John H. Sea-air and sea-bathing. 124p Blakiston. 1880

Page Fence Association. See Spalding, A. G., and Brothers, jt. auth.

Pageants. See Exhibitions, pageants

Paine, R. D. Bathers of the city. (il) Outing. Aug. 1905

Painter, Robert Marriner. See Ex-Club Captain (pseud)

Painting of Pools. See Pools, Artificial, Care of

Palazzo, R. Las piscinas de Mar del Plata desde el punto de vista higiénico. Semana méd. June 17, 1926

Palew, P. Inexpensive portable therapeutic pool. *J. Bone & Joint Surg.* Jan. 1936

Palmer, W. A. Diving and "stunts" from the springboard. *Good Health.* Sept. 1923

Elementary swimming. *Good Health.* Aug. 1921

Teaching a beginner the side stroke. *Swim.* Feb. 1925

Palomba, G. Variazioni della velocità della sedimentazione dei corpuscoli rossi del sangue, in seguito a bagni ed al soggiorno al mare. *Arch. di sc. biol.* Jan. 1931

Paluel-Marmont, Albert Pierre Hippolyte Joseph. *Au péril de la mer.* 250p *Nouv. Soc.* 1933

Pamphlets. See Texts

Pamplin, David Turner. Water manoeuvres. 40p *Baldwin.* 1892

Why are there so few good swimmers: why are so many persons drowned? 3d. 7p *Berkshire, Eng.* 1885

Panama, Financing Pools in. See Pools and Bathing Places, Financial Aspects of, in Holland and Panama

Panama Canal. See Distance Swimming, Panama Canal

Panel Heating. See Pool Buildings and Water, Heating of, panel

Parade, G. W. Herzerkrankungen und Sport. *Med. Welt.* Aug. 1, 1936

— and Liehr, A. Zur Frage der Sportlichen Leistungsfähigkeit nach Infektionskrankheiten. *Méd. Klin.* Aug. 14, 1936

Paradon Manufacturing Company. See Bacharach, E. W., and Company, jt. auth.

Paranasal Sinus Infection. See Diseases, sinusitis

Paranhos, U. O problema do banko de mar. *Gaz. clin.* June 1932

Parcher, C. P. Air raft in water sports. *Beach & Pool.* June 1931

Pardee Engineering Company. See Bacharach, E. W., and Company, jt. auth.

Pardon, G. F. (or Robert Wallace). Cassell's Popular Educator. Cassell. 1853

Paret, J. P. Art of swimming. *Harper's Baz.* Aug. 11, 1900

Paris Exposition Universelle, 1900. Concours internationaux d'exercices physiques et de sports. 2v *Imprim. Nat.* 1901-02

Reports published under the direction of D. Mérillon, délégué général.

Parker, Alfred E. Breathing and its relationship to physical activity. Free. Catal. Island. Press

Training for athletics and health. *Hygeia.* "Athletic heart." April 1934. Golf and competitive swimming and tennis. March 1934

Parker, C. F. Intramural swimming. *J. Health & Phys. Educ.* Nov. 1936

Parker, Eric (ed). Lonsdale anthology of sporting prose and verse. 376p *Seeley.* 1932

Parker, Harold L. Disinfection of a swimming pool. Thesis. *Ohio State Univ.* 1929

Parker, L. T. Circumstances under which operators may be held liable for drownings in public pools. *Municipal Sanit.* Aug. 1931

Parkhurst, Mary Grant. Achievement tests in swimming. *J. Health & Phys. Educ.* May 1934

Parliament, Swimmers. See Associations, swimming

Parmenter, D. C. Some medical aspects of training of college athletes. *Boston M. & S. J.* July 12, 1923

Parran, Thomas J. Operation of swimming pools and bathing beaches. *New York State Dept. Health.* 1932. 1934

Parties, Water. See Exhibitions, parties

Partridge, Everett P. See White, Alfred H. jt. auth.

Pate, H. C. Memorial pool, privately financed, hygienically designed, municipally operated. (ii) *Am. City.* July 1929

Paterson, H. C. See Manley, E. J. jt. auth.

Pathault, Brice. Vivre à la plage; bains de mer—bains de soleil. 190p *Ed. Vivre.* 1931

Patten, William (ed). Book of sport. 411p *Taylor.* 1901

Patterson, Ruth. How to handicap diving: a system which will promote competition among individuals of varying age, size and ability. *Beach & Pool.* May 1935

Patty, F. A. See Yant, W. P. jt. auth.

Paull, Helen. See Lowman, C. L. jt. auth.

Pawan, J. L. Comparative study of sodium citrate and tartrate in differentiation of *B. coli* in water analysis. *Ann. Trop. Med.* Aug. 1926

Payne, A. M. Art of swimming, the utility of, etc. 2s. 56p *Horne.* 1841

Prize essay of the National Swimming Society for 1840. Published jointly with essay written by James Mason in 1839.

Payne, Joshua. Origin of water polo: a peep into the past. *Swim. Times.* Dec. 1937

Paynter, H. S. and White, C. Ringworm of feet; value of microscopic examinations. *J. Lab. & Clin. Med.* Jan. 1931

Peace. See Values, peace and war

Peachman, Henry. Compleat gentleman. London. 1622

Peacock, Eulace. Importance of good coaching. *Lit. Dig.* June 27, 1935

Peale, A. C. committee member. See Chemical Society of Washington

BIBLIOGRAPHY OF SWIMMING

Pearce, Paulin Huggett. Godwin Island, a play and swimming book. Swimming, p. i-vi. Roberts. 1872(?)

Practical swimming book, and poem on swimming, describing its dangers, uses and advantages; interspersed with anecdotes; shipwrecks; ancient and modern Greece compared; the state of ancient Rome and modern Rome; the ancient Romans' and Greeks' practice in swimming; with a description of the British foreign trade; and the glorious battle of the Nile; and a new song—tune "God Save the Queen." 48p Kinder. 1843

Treatise and poem on swimming. 32p Roberts. 1868

Treatise on the art of swimming. London, 5 Harbour St., Ramsgate. The Author. 1842

Warrior's swimming book and ladies' guide. 16p Roberts. 1869

Pearse, L. Eliminating pollution from Great Lakes and St. Lawrence waterways; Lake Michigan. Am. J. Pub. Health. June 1927

Stream pollution and methods of prevention. Illinois M. J. Nov. 1926

Pearson, W. C. Book on swimming. 24p Delittle. 1888(?)

Pease, H. D. and Himebaugh, L. C. Hygiene of the towel. Am. J. Pub. Health. Aug. 1930; *reprint* 25c 13p Am. Pub. Health Assoc.

Peaslee, Horace W. Bathing establishments. Park Internat. July 1920

Pechenaya, R. B. See Epshteyn, Z. L. jt. auth.

Pechstein, L. A. Whole vs part methods in motor learning. Psych. Rev. Co. 1917

Pediatrics. See Corrective Swimming, in pediatrics

Peek, Hedley (ed). Poetry of sport. (Badminton Library of Sports and Pastimes). (il, plates) 420p Longmans. 1896

Chapter on classical allusions to sport by Andrew Lang.

—See Suffolk and Berkshire, Earl of, jt. ed.

Peet, W. B. Where life-saving is an expert science. (il) Harper's W. Sept. 5, 1908

Pember, Karl Albrecht. Goin' swimmin' day before yesterday. 1st ed. Elm Tree Press; 2d ed. Pa. 25c Bds. \$1 Woodstock, Vt. The Author. 1922

Pennington, Julia. History of certain sports as a part of general school education. *Section on Swimming.* Thesis. Ohio State Univ. 1930

Pennsylvania Athletic Club Swimming Clinic

—first report of. Beach & Pool. Nov. 1934

—Penn. A. C. Swimming Clinic. Beach & Pool. Nov. 1934

Pennsylvania State Department of Health. Public bathing laws of the commonwealth of Pennsylvania. Free. 3p Pennsylvania State Dept. Health. 1931

Pentathlons. See Life Saving, pentathlon; Meets, pentathlons

Pepe, M. Shower bath. J. Health & Phys. Educ. May 1930

Percey, William. Compleat swimmer; or, The art of swimming: demonstrating the rules and practice thereof, in an exact, plain and easie method, necessary to be known and practiced by all those who studie or desire their own preservation. 90p London. printed by F. C. for Henry Fletcher at the Three Cups in Paul's church-yard neer the west-end. 1658

2nd translation of Digby with an occasional original paragraph. Copies are in the Library of British Museum, Birmingham (Eng.) Free Library and Edinburgh Public Library.

Percival, G. H. Fungus infection of hands and feet. Edinburgh M. J. June 1937

Perignon, E. Report on the material of navigation and life saving. Paris. 1881

Perkins, R. G. Water filtration from the sanitary standpoint. Cleveland M. J. Feb. 1912

—See Buchanan, E. B. jt. auth.

Perkins, R. N. Correcting public opinion concerning infantile paralysis and its relation to swimming pools and beaches. Beach & Pool. March 1938

Water sanitation at Krug Park swimming pool, Omaha, Neb. J. Am. Water Works Assoc. March 1922

Permitit Company. See Bacharach, E. W., and Company; International Filter Company, jt. auth.

Perring, Allen J. New "starting" law. Swim. Times. Feb. 1937

Perring, Henry G. Features of the design of the new swimming pool of Baltimore City College. (il) Am. School & Univ. p191-2. 1928-29

Persky, Louis J. (ed). Adventures in sport. 327p Ginn. 1937

Personnel for Operation of Pools. See Pools and Bathing Places, Operation of personnel for

Pesch, K. L. and Sauerborn, E. Erfolgreiche Algenbekämpfung in den Stadionschwimmbecken in Köln. Zentralbl. f. Gesundheit. u. Stadthyg. June 1932

Peter, Fritz. Das Schwimmen im Bild. Reihenaufn. d. 4 Hauptarten d. Schwimmens m. erläut. Text. In Leporelloform. (Stuttgarter Sportbücher). Koehler & Volckmar. 1931

Peter, W. W. Cleaner the swimmer, the cleaner the pool. (il) Municipal Sanit. July 1932

Peters, C. F. Teaching every boy and young man to swim. Phys. Train. Nov. 1909

Peters, Hans A. Call from Magdeburg. Swim. Times. Aug. 1934

Petersen, Philip. Beadle's Dime guide to swimming embracing all the rules of the art for both sexes. 10c 40p Beadle. 1863

Peterson, E. A. To what extent should the board of education furnish facilities for the teaching and practice of swimming. *Mind & Body*. April 1917; also *Am. Phys. Educ. Rev.* May 1917

Petersen, W. Der Tod im Wasser—ein Problem der Unfallversicherung. *Med. Welt*. May 7, 1938

Peto, F. M. Swim for health, youth, and beauty. *Outing*. Dec. 1919

Pettigrew, J. Bell. Animal locomotion or walking, swimming, and flying. 1st ed. 264p 1873; 2nd ed. (International Scientific Series, v7). London. 1874

Pezzi, G. Gli esercizi sportivi nautici nella educazione fisica. *Ann. di med. nav. e colon.* July-Aug. 1934

Pfister, J. J., Knitting Company. Illustrated catalogue of knitted bathing suits for ladies, gentlemen and children. Pfister Knit. Co. 1886

Pfuel, Ernst von. Ueber das Schwimmen: zweite vermehrte und verbesserte Auflage. 51p Duemmler. 1817. 1827 Published anonymously.

pH of Water. See *Water Analysis, chemical; Water Purification; Water Purification, alum in*

Phelps, E. B. Chemical disinfection of water. 5c U.S. Pub. Health Service. 1914. 1918

Philadelphia Board of Trade, Committee on Lights and Harbors. Report of a special committee of the Philadelphia Board of Trade, in relation to the life-saving stations, upon the coast. 28p Philadelphia Board Trade. 1860

Philadelphia Humane Society. Directions for recovering persons, who are supposed to be dead, from drowning, also for preventing and curing the disorders, produced by drinking cold liquors, and by the action of noxious vapours, lightning, and excessive heat and cold, upon the human body. 16p Philadelphia. Humane Soc. 1788

Phillips, H. I. Crawl out of it. (il) Collier's. Aug. 6, 1927

Phillips, H. T. and Morginson, W. J. Fungus infection of feet, hands and groins. *West Virginia M. J.* Sept. 1931

Phillips, Richard. Swimming lesson in conversation at a bathing place. *Section* (p61-70) from *The Book of Games or a History of Juvenile Sports*. London. 1812

Photographs. See *Charts and Photographs*

Physical Efficiency Tests. See *Tests*

Physically Handicapped. See *Corrective Swimming, in muscle reeducation; Cripples*

Physiological Aspects
See also *Coaching, training; Competition, effects of; Pool Buildings and Water, Heating of, overheating; Respiration; Spas*

- [A. Arnold] *Gesundh. u. Erziehg.* Feb. 1937
- [H. G. Beyer] *Med. Age.* Sept. 25, 1896. *Reprint* 18p 1896
- [R. du Bois-Reymond] *Arch. f. d. ges. Physiol.* p252-78. 1905
- [R. F. Fox] *Clin. J.* 41:183-87. 1912-13.
- [G. Liljestrand and N. Stenström] *Svenska läk.-sällsk. handl.* Sept. 1918
- [P. Nadal] *J. de méd. de Bordeaux.* 41:551; 567. 1911
- athletics from physiological viewpoint. [E. Abderhalden] *Wien. med. Wchnschr.* March 19, 1927
- bodily demands for various kinds of sport. [J. H. O. Reijs] *Geneesk. gids.* June 3, 1927
- dangers of sports without proper training; advantages of work in fields for physical development; physiologic truths worth remembering. [P. Desfosses] *Presse méd.* Jan. 27, 1937
- effect of exercise upon the bones. [Peter V. Karpovich] *Scholastic C.* Jan. 1936
- effect of swimming upon vital capacity and physical efficiency of university women students. [Alice Bonar] *Thesis. Univ. Illinois.* 1932
- influence of athletics on body. [P. Schenk] *München. med. Wchnschr.* Nov. 27-Dec. 4, 1925
- modern aspect of athletic physiology. [Peter V. Karpovich] *J. Phys. Educ.* Feb. 1930
- of maximum muscular activity. [H. Herxheimer] *Ztschr. f. d. ges. phys. Therap.* 44:55-68. 1933
- of outdoor water activities. [Peter V. Karpovich and G. B. Affleck] *Am. Phys. Educ. Rev.* Dec. 1929
- of training. [N. Messerle] *Schweiz. med. Wchnschr.* Feb. 4, 1928
- physiology of athletics. [Peter V. Karpovich] *Scholastic C. Emotions and feelings.* May 1935. *Muscle.* Sept. 1934
- studies on sportsphysiology. [R. Sugimoto and others] *Jap. J. M. Sc.* Oct. 1936
- study of. [G. Liljestrand and N. Stenström] *Scand. Arch. f. Physiol.* 39:1-63. 1919
- value of certain indices of fatigue while swimming. [U. Cassinini] *Arch. di fisiol.* 36:428-43. 1936
- why exercise. [Arthur H. Steinhaus] *J. Health & Phys. Educ.* May 1934
- ALBUMIN**, quantitative and qualitative test for albumin in swimmers. [H. J. Lyon] *Thesis. Springfield Col.* 1919
- quantitative test for albumin in swimmers. [C. F. Simon] *Thesis. Springfield Col.* 1923

BIBLIOGRAPHY OF SWIMMING

Physiological Aspects—Continued**ALBUMIN—Continued**

—studies on albuminuria following exercise; its relationship to speed of doing work. [Frances A. Hellebrandt, Elizabeth Brogdon and L. E. A. Kelso] *Am. J. Physiol.* July 1932

ALKALI RESERVE. See also *Physiological Aspects, blood*

—alkali reserve and physical fitness. [Eugene C. Howe and Miriam W. Taylor] *Am. Phys. Educ. Rev.* Dec. 1929
—alkali reserve in athletes. [E. Wissing] *Ztschr. f. d. ges. exper. Med.* 49:63-70. 1926

BLOOD. See also *Drowning, blood changes in; Physiological Aspects, blood pressure; Physiological Aspects, heart*

—alkali reserve of the blood in relation to swimming performance. [Jack E. Hewitt and E. C. Callaway] *Res. Quart.* March 1936

—athletic condition in relation to circulation and weight. [J. L. Rothacher] *Thesis. Springfield Col.* 1928

—blood changes and their significance in exercise and training. [Edward C. Schneider] *Am. Phys. Educ. Rev.* April 1927

—changes in blood and circulation in swimming matches. [N. Westenrik] *Ztschr. f. klin. Med.* 106:178-82. 1927

—changes in white blood picture while swimming. [H. Kellner] *Wien. klin. Wchnschr.* Sept. 24, 1937

—circulation and sports. [M. Hochrein] *Med. Welt.* Jan. 26-Feb. 2, 1935

—effect of swimming upon the white blood corpuscles. [Peter V. Karpovich] *Res. Quart. (Supp.).* May 1935

—effect of training on composition of. [T. T. Gurejew] *Arbeitsphysiol.* 5:489-96. 1932

—effects of training in swimming upon the morphological composition of. [C. C. Hawkins] *Thesis. Springfield Col.* 1932. *Abstract Res. Quart. (Supp.).* May 1935

—influence of fatigue and training on circulatory function of blood after sports. [W. Missiuro and W. Czarnocka] *Liége méd.* Dec. 16, 1934

—microphotometric study of dilution of blood in death by drowning. [D. Macaggi] *Diag. e tec. di lab.* Sept. 25, 1934

—physiology of athletics—blood changes in athletics. [Peter V. Karpovich] *Scholastic C.* March 1935

—question of dilution of blood in drowned persons; lack of diagnostic value; critical review. [C. Soutter] *J. de méd. de Lyon.* Nov. 20, 1934

—residual carbon and nitrogen in blood of drowned persons. [T. Inouye] *Tohoku J. Exper. Med.* March 31, 1935

—spectroscopic study of blood during hydrotherapy. [Y. Kermorgant] *Gaz. méd. de France (Supp. Stat. therm. franç., no.10).* 45:14-16. 1938

—studies in influence of exercise on digestive work of stomach; its relation to physicochemical changes in blood. [Frances A. Hellebrandt, H. D. Baernstein and S. L. Hooper] *Am. J. Physiol.* Feb. 1934

—studies in physiology of muscular exercise; blood reaction and breathing. (chart) [D. P. Barr] *J. Biol. Chem.* May 1923

—studies in physiology of muscular exercise; oxygen relationships in arterial blood. (chart) [H. E. Himwich and D. P. Barr] *J. Biol. Chem.* Sept. 1923

BLOOD PRESSURE. See also *Coaching, training; Physiological Aspects, blood; Physiological Aspects, heart*

—effect of physical training and practice on the pulse rate and blood pressure during activity and during rest. [P. M. Dawson] *Am. J. Physiol.* 50:443

—effect of water polo on. [W. P. Elhardt and O. S. Orth] *Res. Quart.* May 1936

—in nasal, oral and tracheal breathing. [B. Lukow] *Monatschr. f. Ohrenh.* Dec. 1928

—in relation to swimming. [Frederick Schultz] *Thesis. Springfield Col.* 1914

—investigation into influence of bodily exercise on function of circulatory system; influence of cold-water swimming upon pulse rate and blood pressure. [A. Miyama] *Acta scholae med. univ. imp.* 13:51-55. 1930

—investigation into influence of bodily exercise on function of circulatory system; influence of long-distance swimming upon pulse rate and blood pressure. [A. Miyama and K. Shii] *Acta scholae med. Univ. imp.* 12:521-24. 1930

—swimming and blood pressure. [C. E. Benjamins] *Nederl. tijdschr. v. geneesk.* Sept. 14, 1929

—variations during training. [A. Goovaerts] *Arch. méd. belges.* March 1927

BODY WEIGHT AND TEMPERATURE, influence of swimming on. [Earle A. Pritchard] *Thesis. Springfield Col.* 1914

—study of athletic condition in relation to circulation and weight. [J. L. Rothacher] *Thesis. Springfield Col.* 1928

EFFECTS OF BATHS, at different temperatures on oxygen exchange and on circulation. [H. C. Bazett, J. C. Scott, M. E. Maxfield and M. D. Blithe] *Am. J. Physiol.* May 1937

—osmotic effects of deuterium oxide (heavy water) on living cells. [S. C. Brooks] *Sc. (new series).* Nov. 26, 1937

- reactions of the body to the short cold bath. [W. H. Riley] Am. J. Surg. June 1928; also Bull. Battle Creek Sanitar. & Hosp. Clin. Aug. 1928
- studies on effects of baths on man; diuresis caused by warm baths, together with some observations on urinary tides. (charts) [H. C. Bazett, S. Thurlow, C. Crowell and W. Stewart] Am. J. Physiol. Oct. 1924
- studies on effects of baths on man; relationship between effects produced and temperature of bath. (charts) [H. C. Bazett] Am. J. Physiol. Oct. 1924
- warm and cold baths. [A. Satre] Rev. internat. de méd. et de chir. 29:20; 33. 1918
- ENERGY COST of swimming. [M. M. Greene] Thesis. Springfield Col. 1930
- HEART. See also Coaching, medical supervision; Coaching, training; Corrective Swimming, for cardiovascular disorders; Diseases, heart; Drowning, causes of; Physiological Aspects, blood; Physiological Aspects, blood pressure; Spas; Thalassotherapy
- “athletic heart,” an unfortunate term. [H. L. Smith] Proc. Staff Meet., Mayo Clin. Feb. 20, 1935
- athletics and heart: electrocardiographic and radiological study of response of healthy and diseased heart to exercise. [E. L. Cooper, J. O’Sullivan and E. Hughes] M.J. Australia. April 17, 1937
- circumstances and activities which affect size of athlete’s heart. [O. Bruns] Deutsche med. Wchnschr. (Festschr. d. Sportärztesch., XI. Olympischen Spielen). p25-6. 1936
- development of physiological and pathological “sport heart.” [E. Kirch] Ztschr. f. Kreislauforsch. March 1, 1928
- effect of strenuous exertions on heart. [E. Kirch] Sitzungsb. d. Phys.-Med. Soz. zu Erlangen. (1929) 61:1-20. 1930
- effect of swimming upon the heart rate. [Guy Wellington] Thesis. Springfield Col. 1914
- effect of various sports on size of heart. [P. P. Gotthardt] München. med. Wchnschr. July 5, 1929
- effect of water polo on heart rate. [W. P. Elhardt and O. S. Orth] Res. Quart. May 1936
- electrocardiogram of athletes. [P. Broustet and Eggenberger] J. de méd. de Bordeaux. Feb. 20, 1936
- electrocardiograph of older school children devoted to sports. [M. Franke and J. Lankosz] Polska gaz. lek. Dec. 22, 1935
- electrocardiographic research on fatigue from sport. [A. Viziano and A. Velicogna] Rassegna di med. appl. lavoro indust. Jan.-Feb. 1933
- electrocardiography during training for sports. [J. Csinády and B. Purjesz] Budapesti orvosi ujság. Oct. 20, 1932
- energy consumption, heart output and recovery quotient during training. [J. Kaup and A. Grosse] München. med. Wchnschr. Aug. 12, 1927
- “forced” heart. [A. Hanns] Clinique, Paris. June (B) 1936
- “forced” heart. [L. Samain] Bruxelles-méd. June 14, 1936
- heart during swimming. [G. Liljestrand and J. Lindhand] Svenska läk.-sällsk. handl. Sept. 1918. Abstract Dec. 7, 1918
- heart in athletics. [R. Ackermann] München. med. Wchnschr. Oct. 22, 1926
- heart in relation to physical education. [M. G. Lesser] J. M. Soc. New Jersey. Dec. 1932
- heart rate in relation to swimming. [Henry Wielt, jr.] Thesis. Springfield Col. 1914
- heart rate studies in swimming. [H. E. Brown] Thesis. Springfield Col. 1927
- investigation into influence of bodily exercise on function of circulatory system; influence of cold-water swimming upon pulse rate and blood pressure. [A. Miyama] Acta scholae med. univ. imp. 13:51-55. 1930
- investigation into influence of bodily exercise on function of circulatory system; influence of long-distance swimming upon pulse rate and blood pressure. [A. Miyama and K. Shi] Acta scholae med. univ. imp. 12:521-24. 1930
- physiology of athletics; heart and circulation. [Peter V. Karpovich] Scholastic C. Jan. 1935
- present day opinion regarding the relationship between athletics and the heart. [Norman B. Cole] Am. Phys. Educ. Rev. Nov. 1928
- production of cardiac hypertrophy in laboratory rats by moderate amount of swimming. [E. Kirch and W. Grünbauer] Beitr. z. path. Anat. u. z. allg. Path. 100:354-63. 1938
- Roentgen study of heart of athletes. [P. Broustet and Eggenberger] J. de méd. de Bordeaux. Feb. 20, 1936
- size of heart in participants in Olympic Games in Amsterdam. [H. Herxheimer] Klin. Wchnschr. Feb. 26, 1929
- sport and circulation. [M. Hochrein] München. med. Wchnschr. Dec. 11, 1936
- studies in physiology of exercise; chronic effects of swimming on hearts of growing dogs as determined electro-cardiographically. [Arthur H. Steinhaus, R. W. Boyle and T. A. Jenkins] Am. J. Physiol. Jan. 1932

BIBLIOGRAPHY OF SWIMMING

Physiological Aspects—Continued**HEART—Continued**

- studies in physiology of exercise; chronic effects of swimming on hearts of growing dogs as revealed by roentgenography. [Arthur H. Steinhaus, J. P. Kirmitz and K. Lauritsen] *Am. J. Physiol.* Jan. 1932
- study of heart in tall people in relation to sports. [R. Lehmann] *Leibesübungen*. Feb. 20, 1934
- study of speed and heart size as related to endurance in swimming. [William James Moyle] Thesis, Univ. Iowa. 1936

HISTORICAL MATERIAL. See also Diseases, history and historical material

- physiology of sport: contributions towards the physiology of a maximum of muscular exertion especially modern sports, as swimming, etc. *Swimming and diving*, p150-7. London. 1893

Trans. from German by George Kolb.
LENGTH OF TIME FOR SWIMS. See Curricula, program-planning

METABOLISM, after-effects of swimming on metabolism during and after training. [E. von Rosztóczy] *Arbeitsphysiol.* Dec. 16, 1930

- effect of bathing in Great Salt Lake on metabolism. [H. A. and H. I. Mattill] *Am. J. Physiol.* Aug. 1916
- effect of swimming and training on metabolism of persons with and without training. [E. von Rosztóczy] *Budapesti orvosi ujság*. July 24, 1930
- influence of physical training on basal metabolic rate of man. [Edward C. Schneider and A. O. Foster] *Am. J. Physiol.* Nov. 1931
- metabolism in sports. [Bieling] *Fortschr. d. Therap.* July 25 and Aug. 10, 1927

- study of the effect of swimming on basal metabolism. [Helen Aline Davis] Thesis, Peabody Col. 1935

OF RESPIRATION. See also Respiration

- regular breathing a physiological necessity. [Harry M. Boardman] *Swim. March* 1925

- respiratory symptoms from sea-water inhalation. [E. James] *Brit. M.J.* Oct. 5, 1935

OF RESUSCITATION. See Resuscitation, physiology of

ORGAN WEIGHTS, studies in physiology of exercise; effects of swimming on the organ weights of growing dogs. [Arthur H. Steinhaus, L. A. Hoyt and H. A. Rice] *Am. J. Physiol.* Jan. 1932

STOMACH, effect of muscular work and competition on gastric acidity. [Frances A. Hellebrandt and M. M. Miles] *Am. J. Physiol.* Oct. 1932

- effect of swimming upon the acidity of the gastric juice. [Elizabeth Brogdon and Frances A. Hellebrandt] *Res. Quart.* May 1934

—influence of muscular work upon movements of stomach. [T. W. Adams and others] *Brit. J. Radiol.* Nov. 1932

—influence of muscular work upon movements of stomach; experiments on man. [T. W. Adams and others] *Brit. J. Radiol.* Dec. 1932

—multiple tears of gastric mucosa in death from drowning. [K. Walcher] *Deutsche Ztschr. f. d. ges. gerichtl. Med.* 23:319-23. 1934

—sport disease; discussion of gastric disturbances following light exertion. [H. Herxheimer] *Klin. Wchnschr.* Oct. 26, 1935

—studies in influence of exercise on digestive work of stomach; its effect on emptying time. [Frances A. Hellebrandt and R. H. Tepper] *Am. J. Physiol.* Feb. 1934

—studies in influence of exercise on digestive work of stomach; its effect on secretory cycle. [Frances A. Hellebrandt and S. L. Hooper] *Am. J. Physiol.* Feb. 1934

—studies in influence of exercise on digestive work of stomach; its relation to physiochemical changes in blood. [Frances A. Hellebrandt, H. D. Baernstein and S. L. Hooper] *Am. J. Physiol.* Feb. 1934

TEMPERATURE, BODY. See Physiological Aspects, body weight and temperature

URINE, effect of exercise on hydrogen ion concentration and phosphorus elimination in urine. [G. Carpentier and Brigaudeau] *J. de méd. de Paris.* April 12, 1928

—effects of muscular exercise on acid-base equilibrium of urine. [S. M. Neuschlosz] *Compt. rend. Soc. de biol.* Nov. 14, 1932

—examination of urine of participants in Olympic Games. [O. Flössner and F. Kutscher] *Sitzungsb. d. Gesellsch. z. Beförd. d. ges. Naturw. zu Marburg.* 62:283-93. 1927

—lactic acid excretion through urine and sweat in various kinds of sport. [I. Snapper and A. A. Grünbaum] *Nederl. tijdschr. v. geneesk.* March 16, 1929

Piaggio, M. Il "crawl" come terapia fisica. *Riv. di sc. applicate all'educ. fis. e giovan.* May-June 1931

Pickard, Joseph Allen. Filtration and filters: an outline of the art; with section on the mathematical aspects of filtration by A. J. V. Underwood. 45s. 488p Benn. 1929; \$20 Indust. Book Co.

Pickering, L. How Tom Blower swam the Channel. *Swim. Times.* Sept. 1937

Pier, A. S. In swimming. *Atlantic.* Aug. 1905

Pierpont, J. H. Device for re-establishing and maintaining suspended respiration. *South. Med. J.* Jan. 1917

Piers, Charles Pigott. Sport and life in British Columbia. Pref. 159p Cranston. 1923

Pillet, J. Les bains municipaux de Mulhouse. *Mem. et Compte Ren. des Travaux de la Soc. des Ing. Civ.* Nov. 1927

Pincus, S. Swimming popularity: why it is increasing and how to maintain it. *Beach & Pool.* Jan. 1932

Value of commercial swimming pools; results of *B. coli* tests in group of pools in New York and Detroit. *Canad. Engin.* Sept. 3, 1932

Pinel, Stanley. Outdoor swimming pools. *Engin. & Contract.* May 14, 1924

Outdoor swimming pools. (Bull. no. 61). Free. *Iowa State Col.* 1924

Sanitation of swimming pools. *Domest. Engin.* 109:21-23. 1924

Piper, Horace L. Life saving service, inception, development and achievements. *Tech. World.* 2:1-9. 1904

Piscator (pseud). How to swim, plunge, bathe, float, and dive. 96p Bradbury. 1871. 1872

Pistor, A. F. Painting swimming pools. Free. *Inertol; Jantzen.* 1938

Pitts and Kitts Manufacturing and Supply Company. Ozone—its many uses in hygiene and industry. Pitts & Kitts

Place of Swimming in Schools and Colleges. See Curricula, program-planning

Placzek. Die Blutdichte als Zeichen des Ertrinkungstodes. *Vrtljschr. f. gerichtl. Med.* 3.F. 25:13-22. 1903

Plans, Architectural. See Pools and Bathing Places, Construction of, designs for

Plantar Warts. See Diseases, Plantar warts

Platform Diving. See Diving, towers and platforms

Platt, E. Bathing suits have undergone marked changes. *Beach & Pool.* May 1927

Play Days, Water. See Exhibitions, play days

Play Equipment Company. See Spalding, A. G., and Brothers, jt. auth.

Play Method of Teaching. See Teaching, game method; Teaching through pageants and plays

Playfair, N. Open-air swimming baths. *Spectat.* Sept. 27, 1930

Playground Athletic League, Swimming Section, 1927. Boys' and girls' badge test and entry blank. *Am. Phys. Educ. Rev.* May 1928

Plescia, E. Learn-to-swim program for children, Santa Barbara, California. (il) *Recrea.* Aug. 1937

Ploessl, Howard T. Give swimming its rightful place. *Ath. J.* Sept. 1935

High school leadership in community swim programs. *Swim. Pool Data & Ref. Ann.* 5:64-65. 1937

More emphasis on swimming. *J. Educ.* May 21, 1934

Pools in relation to high schools. *Beach & Pool.* Jan. 1936

Report of Los Angeles Aquatic Institute. *Beach & Pool.* Jan. 1936

Successful community swimming program. *Ath. J.* June 1937

Ploooster van der Roest, W. C. J. H. Beknopte Handleiding tot de Zwemkunst en het Redden van Drenkelingen. 28p Scheltema & Holkema. 1875(?)

Plumbing. See Pools and Bathing Places, Construction of, plumbing

Plummer, E. M. Athletics and games of the ancient Greeks. 61p Cambridge, Mass. 1898

Poelchau. Schwimmbadinfektionen. *Med. Klin.* Feb. 5, 1937

Poetry

- anthology of sporting verse, selected. [Edward Bolland Osborn, compiler] 288p Collins. 1930
- athlete's garland; a collection of verse of sport and pastime. [Wallace de Groot Cecil Rice, compiler] 245p McClurg. 1905
- athletic anthology; a collection of poems and short prose articles. [Henry Van Arsdale Porter, compiler] 79p De Kalb, Ill. The Author. 1930
- cloud fantasy. [Ethel Austin] Lit. Dig. Aug. 27, 1932
- goin' swimmin' day before yesterday. [Karl Albrecht Pember] 1st ed. Elm Tree Press. 2nd ed. Pa. 25c Bds. \$1 Woodstock, Vt. The Author. 1922
- in the lake. [Ethel Austin] Lit. Dig. Aug. 27, 1932
- Lonsdale anthology of sporting prose and verse. [Eric Parker, editor] 376p Seeley. 1932
- poetry of sport. (Badminton Library of Sports and Pastimes). (il, plates) [Hedley Peck, ed] 420p Longmans. 1896
- Chapter on classical allusions to sport by Andrew Lang.
- poetry on swimming. Quotations. *Swim.* March 1918
- Shakespeare and swimming: his appreciation of the art. *Swim.* Feb. 1918
- swimmers. [Flora Annie Webster Steel] 15p Macmillan & Co. 1895
- swimming pool, inland. [M. H. Moody] Am. City. Sept. 1935

Poison-Gas Protection, Pools for. See Pools and Bathing Places, for air-raid and poison-gas protection

Poissonnier, Louis. Le guide des nageurs; ou, Méthode sûre pour apprendre à nager en huit leçons. Delacour. 1813

Policaro, R. D. Sopra un caso di bilharziosi bescicale. Riforma med. March 25, 1933

Police Department Training in Life Saving. See Life Saving, in police departments

Poliomyelitis. See Corrective Swimming, for infantile paralysis; Diseases, infantile paralysis

BIBLIOGRAPHY OF SWIMMING

Pollack, R. F. Boys' swimming pool made by boys. *Suburb. Life*. May 1907

Polland, R. Blasenausschläge nach Freibäder (Dermatitis bullosa striata pratensis). *Med. Klin.* Sept. 2, 1932

Pollard, W. S. Doing as the Romans did when they built swimming pools. *Am. City*. March 1933; *also Lit. Dig.* May 20, 1933

Pollution of Water. See Water Pollution

Polo, Water
See also Competition; Meets; Olympics; Records

- [T. J. Kimber] *Swim. Times*. June and Sept. 1937
- [John Allen Krout] *Annals of American Sport*. (*The Pageant of America*, v15) p218. *Yale Univ. Press*. 1929
- [D. A. C. Shepard] 25s. 6d. *Chapman & Hall*. 1930
- [Frank J. Sullivan] 25c *Wilson-Western*
- [G. Sundstrom] 10c *Am. Sports Pub.* 1901
- American water polo. *Swim.* June 1917
- history and development of. (tables, bib) [James R. Smith] *Thesis*. 156p *Univ. Southern California*. 1935
- how to play. [L. de B. Handley] Pa. 10c *Am. Sports Pub.* 1910
- Lehrbuch des Wasserballspiels (handbook of water polo). [E. Hofmann] *Koehler & Volckmar*. 1936
- Lehrbuch des Wasserballspiels: Sportbibliothek (handbook of water polo). [Moritz Nussbaum] *Koehler & Volckmar*; *Quelle & Meyer*. 1930
- notes on. [R. J. C. Sutton] *Swim. Times*. May-June 1934
- playing and coaching. [James R. Smith] \$2.50 *Intersch. Sports Pub. Co.* 1938
- swimming, diving and water polo. [Tom Robinson] *Ath. J.* Oct. 1933
- under water polo comes up. *Lit. Dig.* Jan. 27, 1934
- Wasserballspiel in Bildern und Merkworten. (*Stuttgarter Sportbücher*). (water polo in pictures and spot passages). [P. Kellner] *Koehler & Volckmar*. 1930
- water polo. *Section* (p275-6) *from Report of the American Olympic Committee*. \$2 491p *Am. Olympic Comm.* 1936
- As LEAGUE SPORT, water polo as a competitive and league sport. [J. H. Slater] *Phys. Train.* Feb. 1923
- CHAMPIONS.** See also Champions
- Father Neptune's young nephew: Joe Ruddy, patriarch of water-polo. (ii) [S. B. Frank] *Lit. Dig.* Jan. 26, 1935
- Joe Ruddy rules this rowdy, murderous game. *News Wk.* March 30, 1935
- COACHING.** See Coaching
- DEPTH OF WATER FOR**, deep water baths essential: cause of pool polo and diving. *Swim. Times*. Aug. 1935
- EFFECT ON HEART RATE AND BLOOD PRESSURE**, [W. P. Elhardt and O. S. Orth] *Res. Quart.* May 1936
- EUROPEAN, British water polo decline; something must be done. *Swim. Times*. Sept. 1937
- European water polo tournament; Hungary again unbeaten. *Swim. Times*. Sept. 1935
- Hungarian national water polo team. [Leo Donath] *Swim. Times*. May 1934
- impressions of the European games. [L. Harry Koskie] *Swim. Times*. Oct. 1934
- international friendship; Hove shiverers. Wonderful reception in Germany. *Swim. Times*. Sept. 1937
- my visit to Budapest; Wanted! Young manager to make water polo team to Olympic standards. [E. J. Scott] *Swim. Times*. Oct. 1937
- plea for British polo league. [William Francis] *Swim. Times*. Sept. 1935
- polo trials justified. [J. A. Morton] *Swim. Times*. July 1934
- raising the standard of English water polo. [H. E. K. Sawtell] *Swim. Times*. Dec. 1934
- stop press on the German visit. [Gilbert Collins] *Swim. Times*. Aug. 1937
- Welsh water polo, 1933. *Swim. Times*. Dec. 1933
- HAZARDS**, water polo hazards. *All Sports*. Nov. 1936
- HISTORY AND HISTORICAL MATERIAL.** See also History; for reviews of the various sectional and national leagues and championships sponsored by the National Collegiate Athletic Association *see their Official Rules for Swimming, Diving, Water Polo: Intercollegiate and Interscholastic*, listed under Officiating, rules for swimming, diving and water polo. Published annually since 1916
- history and development of. (tables, bib) [James R. Smith] *Thesis*. 156p *Univ. Southern California*. 1935
- origin of. [Joshua Payne] *Swim. Times*. Dec. 1937
- water polo and how to play it. [Fred G. Bretton] 41p *Gowland*. 1896
- INTERCOLLEGiate.** For complete descriptions, reviews and regulations of the various sectional and national leagues and championships sponsored by the National Collegiate Athletic Association *see their Official Rules for Swimming, Diving, Water Polo: Intercollegiate and Interscholastic*, listed under Officiating, rules for swimming, diving and water polo. Published annually since 1916
- INTERNATIONAL**, For regulations governing international polo *see Handbook of the Fédération Internationale de Natation Amateur*, listed under Officiating, rules for swimming, diving and water polo
- interpretations and hints. [E. W. Mc Gillivray] *Swim. Guide*. p46. 1933

MODIFIED, [Lelia M. Finan] *Aquat.* p38-9. 1931-32

—rules for. [University of Illinois] *Water Sports.* p51-4. 1935-36

OFFICIATING. See Officiating

OLYMPIC. See also Olympics

—final water polo tryouts held at Burnham Park, Chicago, Ill., July 3rd, 4th, and 5th, 1936. *Section* (p266) from Report of the American Olympic Committee. \$2 491p Am. Olympic Comm. 1936

—Olympic Games: water polo. [T. J. Kimber] *Swim. Times.* Oct. 1936 and Feb. and April 1937

ROUGHNESS, causes, effects and remedies. [P. H. Hardidge] *Swim. Times.* Oct. 1934

—widespread interest and suggestions concerning. [P. H. Hardidge] *Swim. Times.* Dec. 1934

RULES. See also Officiating, rules for swimming, diving and water polo

—do water polo rules require amending? Suggestions for revision put forward by six countries. *Swim. Times* June 1936

—tightening the reins: first method of dealing with water polo offenses. [John Hodgson] *Swim. Times.* Oct. 1935

SOCER, WATER, the coming game. [L. de B. Handley] *Outing.* March 1913

TOUR OF AUSTRIAN TEAM IN ENGLAND, Austrian national water polo team; successful tour in England. *Swim. Times.* Oct. 1937

Pommer, Louis. *Schwimmbuch für Knaben und Jünglingen.* 83p Schickhardt & Ebner. 1881

Pond, James L. (comp). History of life-saving appliances, and military and naval constructions. 36p Slater. 1885

Pool, C. L. Operation of Connecticut indoor swimming pools. *Connecticut Health Bull.* Feb. 19, 1926

Sanitary control of Rhode Island swimming places. *Beach & Pool.* Aug. 1931

Pool Buildings, Ventilation of

See also Pools and Bathing Places, Construction of; Pools and Bathing Places, Operation of

—future of ventilation. [C. F. Wolfsfeld] *Heat. & Ventil.* June 1927

—humidification and its cost. [H. Alt] *Heat. & Ventil.* June 1927

—modern principles of. [T. G. Bedford] \$1.75 Lewis. 1937

—ozone in ventilation. *Pub. Health Rep.* April 23, 1920

—principles of. [Arthur Maurice Greene, jr.] \$4.50 446p Wiley; Chapman & Hall. 1936

—principles of. [H. M. Vernon] \$5 Longmans. 1934

—reference book for engineers, architects and contractors. [Louis Allen Hardling and Arthur Cutts Willard] 2nd ed. rev. 963p Wiley; Chapman & Hall. 1932

—sanitary, heating and ventilation engineering. (il) 4v Am. Tech. Soc. 1919

—summary of published opinion on school ventilation. [V. T. Smith] *Am. School Board J.* Aug. 1931

—ventilation of swimming pools. [M. Nowotny] *Gesundh.-Ing.* Sept. 8, 1927

—ventilation studies. [Springfield College] *Am. Phys. Educ. Rev.* Dec. 1913

CODE OF REQUIREMENTS FOR, adopted June, 1925. [American Society of Heating and Ventilating Engineers] *Looseleaf. Am. Soc. Heat. & Ventil. Engin.* 1929

Pool Buildings and Water, Heating of

See also Pools and Bathing Places, Construction of; Pools and Bathing Places, Operation of

—at the Lido. [T. Wolfram] *Beach & Pool.* May 1931

—cyclopedia of. (il. with over one thousand engravings) [American School of Correspondence] 4v Am. School Corresp. 1909

—fresh water swimming bath in T. S. "Warspite": heating and hot water supply systems. *Baths & Bath Engin.* Feb. 1937

—fuelless method for outdoor pools. (diag) [W. J. McCormick] *Swim. Pool Data & Ref. Ann.* 6:60. 1938

—habitable heat protection for swimming schools and swimming pools. [M. Kuster] *Gesundh.-Ing.* 48:292-300. 1925

—heating swimming pools. [C. Teran] *Heat. & Ventil.* Feb. 1912; also *Mind & Body.* Oct. 1912

—heating the world's largest swimming tank, San Francisco. *Heat. & Ventil.* March 1926

—Highfields open-air swimming pool, Nottingham: filtration and heating plant installed and sun bathing deck erected. *Baths & Bath Engin.* Aug. 1936

—manual. [Louis Allen Harding] 276p Buffalo, N.Y. The Author. 1935

—modern principles of. [T. G. Bedford] \$1.75 Lewis. 1937

—Morecambe and Heysham open-air bathing pool: installation of water heating plant. *Baths & Bath Engin.* Nov. 1937

—notes on heating of swimming pools. *Heat. & Ventil.* April 1912; also *Mind & Body.* Nov. 1912

—observations on heating an open-air pool. [Richard M. Hogg] *Swim. Pool Data & Ref. Ann.* 5:66-68. 1937

—principles of. [Arthur Maurice Greene, jr.] \$4.50 446p Wiley; Chapman & Hall. 1936

—principles of. [H. M. Vernon] \$5 Longmans. 1934

—proper temperature of pool. [G. H. Corsan] *Playground.* Jan. 1915

BIBLIOGRAPHY OF SWIMMING

Pool Buildings and Water, Heating of
—Continued

- reference book for engineers, architects and contractors. [Louis Allen Harding and Arthur Cutts Willard] 2nd ed. rev. 963p Wiley; Chapman & Hall. 1932
- sanitary, heating and ventilation engineering. (il) 4v Am. Tech. Soc. 1919
- swimming pools: their construction, mechanical installation, water supply, heating the water, various types of installations adapted to different conditions. (il, charts) [John K. Allen] 1st ed. 50c Domest. Engin. Co. 1907; 2nd ed. [John K. Allen and A. G. King] 75c Domest. Engin. Co. 1915
- unusual method. [T. N. Thompson] Swim. Pool Data & Ref. Ann. 3:26-27. 1935
- “what's the water like?” It pays to make the answer “Warm.” Baths & Bath Engin. Aug. 1936
- CENTRAL STATION FOR, [Alfred H. White, J. H. Walker, Everett P. Partridge and Leo F. Collins] 27p Univ. Michigan. 1927
- COAL FOR, by waste heat from the Klingenberg power station. Engin. News Rec. March 21, 1930
- lowering the high cost of swimming; heating water directly from the boilers. [T. D. Wheeler] Heat. & Ventil. May 1927
- new facilities for heating water: the “Eske” patent coal combustion system. Baths & Bath Engin. Feb. 1937
- piping hook-up for utilizing exhaust steam. [W. F. Schaphorst] Swim. Pool Data & Ref. Ann. 4:41. 1936
- steam cost from fuel analysis. [B. Frisby] Baths & Bath Engin. April 1938
- CODE OF REQUIREMENTS FOR, [American Society of Heating and Ventilating Engineers] Loose-leaf. Am. Soc. Heat. & Ventil. Engin. 1929
- COSTS. See also Pools and Bathing Places, Financial Aspects of; Pools and Bathing Places, Financial Aspects of, construction and operation
- [B. Frisby] Baths & Bath Engin. Sept. 1937
- steam cost from fuel analysis. [B. Frisby] Baths & Bath Engin. April 1938
- ELECTRICAL, all-electric heating equipment at Shirehampton Baths, Bristol. Baths & Bath Engin. Aug. 1936
- electric thermal storage: heating of swimming bath water. Baths & Bath Engin. Dec. 1937
- electrical heaters: regulations for the electrical equipment of buildings. Baths & Bath Engin. Nov. 1936
- glacier water heats swimming pool; Grisons electric supply company at Klosters, Grisons, Switzerland. Elect. West. April 11, 1931
- heat pump—an economical method of producing lowgrade heat from electricity. J. Inst. Elect. Engin. March and June 1930
- thermal storage. [C. N. Bond] Baths & Bath Engin. May 1938
- GAS, for central heating and hot-air generation. [F. L. Atkin] Baths & Bath Engin. Dec. 1937
- gas and electricity for heat production. Baths & Bath Engin. Sept. 1936
- gas heating of swimming bath water. Baths & Bath Engin. Nov. 1937
- how Clapham heats its bath: flexible gas water-heating system. Baths & Bath Engin. Oct. 1936
- Luton believes in warm swimming pools: up-to-date gas water heating plant installed. Baths & Bath Engin. Dec. 1936 and Feb. and April 1937
- Luton open-air swimming pool: installation of gas heating plant. Baths & Bath Engin. Aug. 1936
- maintains constant temperature in outside pool. [R. K. Tenney] Am. Gas J. April 1930
- of Ilkley open-air pool. [George A. Skinner] Baths & Bath Engin. Dec. 1936
- public bath-houses; heating the water by gas. (il, diag) Am. Gas J. (Supp.). Oct. 31, 1928
- Tooting slipper baths: installation of gas fired boilers. Baths & Bath Engin. Dec. 1936
- Oil, specification for oil-burning equipment. Baths & Bath Engin. Jan. 1937
- OVERHEATING, injurious effect of overheated dwellings, schools, etc. [John Macauley Eager] 8p Gov. Printing Off. 1913
- overheating troubles. Am. City. Feb. 1938
- physiological effects of abnormal temperature and humidities. [R. R. Sayers and S. J. Davenport] Pub. Health Rep. April 8, 1927
- PANEL, method of heating a swimming pool. [F. E. Giescke] Domest. Engin. May 31, 1930
- PROBLEMS AND DIFFICULTIES IN, [Frederick William Dye] 192p Spon, E. & F. N.; Spon. 1924
- TEMPERATURE CONTROL, importance of accuracy for pool water and shower baths. [E. S. Bishop] Beach & Pool. Sept. 1935
- modern methods for shower baths and pools. [E. S. Bishop] Swim. Pool Data & Ref. Ann. 4:38-40. 1936
- temperature regulation of pool water. Am. City. July 1926
- Pools, Artificial, Care of
 See also Pools and Bathing Places, Operation of; Pools and Bathing Places, Sanitation of; Water Analysis; Water Purification
- [W. Bintz] Domest. Engin. Feb. 26, 1927

—[A. M. Crane] *J. Am. Assoc. Hyg. & Baths.* 4:74-84. 1922; *also Phys. Train.* Nov. 1923

—[F. E. Fronczak] *J. Am. Assoc. Hyg. & Baths.* April 1927; *also Beach & Pool.* Sept. 1927

—[M. Gethman] *Phys. Train.* March 1926

—[Jack J. Hinman, jr] *Domest. Engin.* June 27, 1925

—care of concrete swimming pools in winter. *Concrete.* Dec. 1930

—indoor swimming pool. [A. M. Crane] *Am. Phys. Educ. Rev.* Jan. 1915

—indoor swimming pool. [P. H. Obst] *Phys. Train.* Nov. 1920

—of modern pools. [Jack J. Hinman, jr] *Beach & Pool.* June 1927

—school swimming pools. [E. A. De Windt] *J. Chem. Educ.* Dec. 1936

—tile lined swimming pools. [Tile Manufacturers' Association] *Mimeo. Free. Tile Mfrs. Assoc.* 1934

CLEANING, [W. H. Ball] *Mind & Body.* Dec. 1914

—[Paul H. Huedepohl] *Beach & Pool.* Aug. 1935

—clean swimming pools. *Lit. Dig.* Aug. 5, 1916

—cleansing tile. [Earl K. Collins] *Swim. Pool Data & Ref. Ann.* 4:67-68. 1936

—facilities for swimming and cleanliness. *Baths & Bath Engin.* Oct. 1936

—for clean swimming pools. *Lit. Dig.* May 1918

—keeping the swimming bath clean. [H. E. Fern] *Swim. Times.* Sept. 1937

—keeping the swimming pool clean and sterile. [C. A. Scott] *Beach & Pool.* Sept.-Dec. 1929; *also J. Health & Phys. Educ.* March 1931

—swimming pool that scrubs itself. [W. S. Franklin] *Indep.* Oct. 1916

—to keep swimming pools clean. *Lit. Dig.* Oct. 25, 1924

PAINTING, [Elkin Nathans] *Beach & Pool.* March 1936

—[A. F. Pistor] *Free. Inertol; Jantzen.* 1938

—how to paint swimming pools with cement paint. [C. E. Wyman] *Swim. Pool Data & Ref. Ann.* 3:32-33. 1935

—increase the efficiency of your pool paint. [A. E. Gordon] *Beach & Pool.* Nov. 1936

—paints for the pool. (il) [C. P. McCord] *Hygeia.* Sept. 1928

SCUM REMOVAL, scum removal from pool surfaces: mechanical skimmer for baths and pools. *Baths & Bath Engin.* Sept. 1936

SUCTION SWEEPING, candy suction sweeper for use in swimming baths. *Electrician.* April 20, 1928

—sediment remover and its application. [L. I. Holdredge] *Swim. Pool World.* March 1932

—suction pool cleaning. [Wm. H. Moseley] *Swim. Pool Data & Ref. Ann.* 4:62-63. 1936

Pools and Bathing Places
See also Legal Aspects; Pools and Bathing Places, Construction of; Pools and Bathing Places, Financial Aspects of; Spas

—baths, baths and still more baths. [P. H. Hardidge] *Swim. Times.* July 1934

—practical ideas about swimming pools. (il) [Aileen Riggan] *Country Life.* Aug. 1932

—status of swimming pools in the high schools of California. (bib) [Russell S. Johnson] *Thesis.* 90p Univ. Southern California. 1935

—swimming pool. *Assoc. Men.* April 1906

—swimming pool. [H. C. Mueller] *Am. Phys. Educ. Rev.* April 1908

—swimming pools. [W. Bintz] *Playground.* Aug. 1925

—swimming pools. [V. K. Brown and S. K. Nason] *Playground.* April 1917; *reprint N.R.A.* 1917

—swimming pools. [C. G. Lang] *Assoc. Men.* Sept. 1907

—swimming pools. [S. Sanford] *Sunset.* Oct. 1927

—swimming pools for country clubs. [Charles Downing Lay] *Architect. Forum.* March 1925

—there are pools and pools. (il) *Am. Export.* Nov. 1931

—water works swimming pool. [W. B. Durlin] *J. Am. Water Works Assoc.* p539. 1908

—world's bathing places. [J. Brent] *Munsey's.* July 1902

ARMY POST, Army post swimming pool. [J. C. Magee] *Mil. Surg.* May 1923

BEACHES AND WATER FRONTS. See also Pools and Bathing Places, Operation of, beaches; Pools and Bathing Places, Operation of, combination beach and pool; Pools and Bathing Places, Sanitation of, beaches

—bacteriological study of bathing beach waters in New Haven harbor. [David Moxon] *Thesis.* Yale Univ.

—basic principles of waterfront development. (il) [R. S. Gourlay] *Am. City.* July 1914

—bath pavilions and beach clubs; views and plans. *Architect. Forum.* Aug. 1932

—bathing beach development along the North Shore. [Chicago City Council, Committee on Recreation and Athletics] 4p *Chicago City Council.* 1924

—bathing beaches in Minneapolis. [Karl B. Raymond] *Playground.* Aug. 1924

—baths, bathing beaches and bathing stations in Germany. [Thomas Beattie] *Baths & Bath Engin.* June 1937

—beach and playground developments. [U.S. Works Progress Administration] *Beach & Pool.* July 1937

—Brockton's swimming beach. [W. Hatch] *Playground.* Oct. 1921

BIBLIOGRAPHY OF SWIMMING

Pools and Bathing Places—Continued**BEACHES—Continued**

- building a swimming pool on a rocky beach. [E. Roorbach] House Beaut. Sept. 1922
- camp waterfront and safety. [Camp Directors Association] Camp Life. March 1931 Committee report.
- community bathing-beach in Aurora, Illinois. [J. C. Winslow] Am. City. May 1924
- developing natural swimming pools. (il) [M. Spiegel] Am. City. April 1933
- for more beaches in public ownership. [George Hjelte] Am. City. Feb. 1936
- La Jolla tidal bathing. [L. McCrae] Prof. Engin. Jan. 1932
- Los Angeles' \$335,000 beach playground. [R. E. Hoyt] Am. City. March 1933
- Milwaukee's lake-front accomplishments. (il, map) [C. B. Bennett] Am. City. Aug. 1937
- nation-wide survey of WPA pool and beach development. Swim. Pool Data & Ref. Ann. 5:52-56. 1937
- new swimming facilities at Southend-on-sea; county borough's proposed open-air pool, car park, etc.; filtration plant installed at existing open-air pool. Baths & Bath Engin. May 1937
- Newburyport to have a river-front park. (plan) [M. Cashman] Am. City. March 1923
- ocean pool at Ketsilano Beach, Vancouver. [A. S. Wootton] Canad. Engin. Dec. 1, 1931
- open air bathing from hygienic point of view; survey of beaches. [E. Bondo] Nord. hyg. tidskr. 15:205-30. 1934
- Portland water-front development. (il, plans) [O. Laurgaard] Am. City. Aug. 1923
- sanitary suggestions regarding the location, construction and management of public bath beaches. [Harold A. Whittaker] Journal-Lancet. 38:349. 1918
- waterfront. [J. Brophy] 2s. 6d. Cape
- water-front improvements and water sports in an English borough. (il) [E. J. Goodacre] Am. City. May 1926

EQUIPMENT FOR. See Pools and Bathing Places, Equipment for

EUROPEAN. See also Pools and Bathing Places, municipal

- continental guide; containing a listing of European bathing places. [Bradshaw] \$2.50 Coward-McCann. 1920
- English pools. [W. E. Longfellow] Beach & Pool. Dec 1929
- European pools. [O. A. Kessler] Gesundh. u. Erziehg. Feb. 1937
- German society for public baths. [P. Boetter] J. Am. Assoc. Hyg. & Baths. April 1927
- Germany: the land of swimming baths. [Hans Zippel] Swim. Times. Oct. 1934

- Glasgow's thirty-three swimming pools. [C. Irvine] Beach & Pool. July 1931
- organization of pools for German youth. [H. Franzmeyer] Gesundh. u. Erziehg. Feb. 1937
- public baths in Europe. 10c 1897; 5c Gov. Printing Off. 1901
- swimming baths in Germany: design and development. [Thomas Beattie] Municipal Engin. May 20, 1937
- swimming pools in Europe. [Herbert G. Allphin] J. Health & Phys. Educ. May 1937

FLOATING BATHS, up-to-date floating baths. [Frank Harrington Hines] Am. Phys. Educ. Rev. Feb. 1917. *Reprint* 7p Boston, Mass. 1917(?)

FOR AIR-RAID AND POISON-GAS PROTECTION, A.R.P. practice exercise at Paddington. [H. Leadbeater] Baths & Bath Engin. May 1938

- air raid precautions; gas contamination. Baths & Bath Engin. Feb. 1937
- baths engineering problems in A.R.P. Baths & Bath Engin. May 1938
- Manchester's centenary exhibition. Baths & Bath Engin. May 1938
- public baths as A.R.P. service depot. Baths & Bath Engin. May 1938
- public baths as poison gas decontamination centres. [E. H. Whittle] Baths & Bath Engin. May 1938
- public baths in anti-gas defence. [W. B. Dunn] Baths & Bath Engin. Jan. 1937
- shower equipment for decontamination. Baths & Bath Engin. May 1938

FOR COMPETITION. See Pools and Bathing Places, Construction of, for competition

HEATING OF. See Pool Buildings and Water, Heating of

HISTORY AND HISTORICAL MATERIAL. See also History

- ancient natatus. Swim. Jan. 1918
- das Bad der roemischen Villa bei Allenz (bath of the Roman villa at Allenz). [Ernst aus'm Weerth] 20p Bonn, Germany. 1861
“Gedr. auf Kosten des Vereins (Verein von Altertumsfreunden im Rheinlande, Bonn. Festprogramm zu Winckelmanns Geburtstage. 1861).”
- baths and washhouses. [G. A. Cape, jr.] London. 1854
- baths and washhouses: their history, and an account of the baths of the ancients. [Arthur Ashpitel and John Whichcord] London. 1853
- baths of the Romans, with the restorations of Palladio. [Charles Cameron] London. 1775
- cursory remarks on baths. [M. L. Este] 60p Ridgway. 1811
- nogle historiske bemærkninger til højtideligholdelse af Doberan søbads 50aarige varighed (recent historical facts of the sea bath at Doberan from 50 years ago until today). [Johann David Wilhelm Sachse] 32p Bergh & Ellefsen. 1863

- progress and position of the corporation baths and washhouses at Glasgow. [Walter Wilson] Glasgow, Scotland. 1892
- progress of the public bath movement in the United States. [W. P. Gerhard] Pa. 25c The Author. 1913
- swimming baths of London. [R. E. Dudgeon] 6d. 35p London. 1870
- swimming pool of Vanoes. [A. Normand] 1881
- INDOOR. See also Pools and Bathing Places; Pools and Bathing Places, Construction of
- apartment and hotel pools. [Wallace & Tiernan Company, Inc.] Free. Wallace & Tiernan
- facilities for winter swimming demanded; a call for immediate action. *Swim. Times.* May 1936
- indoor pools. [S. K. Nason] Playground. April 1917
- indoor swimming pool. [G. Oberste-Berghaus] Monatsh. Bauk. June 1933
- indoor swimming pool of Zürich. [O. Gschwind] Schweiz. Bauzeit. Feb. 27, 1926
- Miller natatorium-gymnasium, Aberdeen, Washington. (il) Am. School Board J. June 1926
- das neue Hallenschwimmbad auf der St. Margareteninsel in Budapest (new indoor swimming pool on St. Margaret Island in Budapest). Mod. Bauf. Oct. 1931
- das neue städtische Warm- und Hallenschwimmbad im X Bezirk Favoritem um Burger Platz in Wien (new municipal warm and indoor swimming pool in the X District favorite at the Burger Square in Vienna). Gesundh.-Ing. 48:290-92. 1925
- new school athletic and student's activity building at Williston Academy. [J. H. MacNaughton] Am. School & Univ. p237-8. 1931-32
- presidential swimmin' hole. Architect. Forum (Supp.) Aug. 1933
- White House pool. Recrea. Nov. 1933
- Y.M.C.A. builds good will home in Jerusalem. [Stanley High] Beach & Pool. Oct.-Nov. 1934
- INSURANCE FOR. See Pools and Bathing Places, Insurance for
- LIGHTING. See Pools and Bathing Places, Lighting of
- MUNICIPAL. See also Pools and Bathing Places
- Amalien pool of the city of Vienna. [J. Barousch] Ztschr. des Oester. Ing. Architek. July 9, 1926
- bathing establishment of the city of Lyon, Place Garibaldi. [C. Chalumeau] Génie Civil. Dec. 23, 1933
- Brookside Park plunge, Pasadena. [L. du P. Millan] Am. City. June 1917
- Buffalo's new swimming pools. (il) [Marion A. Porter] Am. City. Sept. 1935
- California's municipal pools. [G. W. Braden] Am. City. May 1927
- casino with filtered and heated fresh sea-water. [M. G. Breton] Génie Civil. June 15, 1929
- Chadderton public baths; new building on site of original baths. (il) Baths & Bath Engin. June 1937
- Cincinnati has big swimming pool. Domest. Engin. Feb. 21, 1925
- Clacton-on-sea: a famous arena for international water sports. *Swim. Times.* May 1934
- Clairton Park municipal swimming pool: an outstanding pool development. (il) [J. W. Miller] Am. City. Oct. 1930
- community swimming pool. [American Medical Association] 5c A.M.A. 1937
- community swimming pool. (il) [W. O. Wetmore] Hygeia. April 1931
- concerning municipality owned swimming pools. [Charles F. Thomas] Beach & Pool. Nov. 1935
- East Cleveland's municipal swimming pool. [E. C. Moore] Red Cross Cou. March 16, 1925; also Am. City. April 1925
- England's outstanding pool. Beach & Pool. Nov. 1932
- establishment of municipal baths on Rue Blomet in Paris. (il, diags, plans) [C. Dantin] Génie Civil. April 20, 1929
- Foleshill baths, Coventry: completion of additional scheme. (il) Baths & Bath Engin. Sept. 1937
- four new city baths and gymnasiums. (il) [R. E. Todd] Surv. Feb. 5, 1910
- German municipal baths. [C. Wolf] Gesundh.-Ing. 48:273-376. 1925
- Haslingden public baths; borough's modern scheme. Baths & Bath Engin. Nov. 1936
- high school pool that serves the general public as well as the students. (il) [D. D. Hicks] Am. City. Oct. 1929
- Ilkley bathing pool. Baths & Bath Engin. Jan. 1937
- in the United States. (il) [Bertha H. Smith] Chautauquan. March 1905
- incorporation of medicated baths with municipal undertakings. (il) [J. W. Wright and R. V. Hirst] Baths & Bath Engin. June 1937
- John Deere Webber memorial baths of Minneapolis. (il) Playground. Oct. 1929
- Jones Beach State Park. [Clarence C. Combs] Beach & Pool. June-July 1935
- large modern swimming pool, a gift to Wood River, Illinois. [T. J. Harris] Am. City. Feb. 1927
- large modern swimming pool opened at Urbana, Illinois. [H. T. Smith] Beach & Pool. Sept. 1927
- largest swimming pool for 10,000 swimmers. Sc. Am. Dec. 1923

BIBLIOGRAPHY OF SWIMMING

Pools and Bathing Places—Continued

MUNICIPAL—Continued

- Leeds public baths and wash-houses; annual report, 1935-36, reviewing the undertaking and the financial position of the pool together with its activities in connection with swimming instruction and proficiency tests, competitions and clubs, Olympic training scheme, galas, etc. *Baths & Bath Engin.* Dec. 1936
- Liverpool public baths and wash-houses: report on annual statistics, 1935-36. *Baths & Bath Engin.* Dec. 1936
- Middleton's new public baths: scheme in course of construction. (plan) *Baths & Bath Engin.* Oct. 1937
- modern baths establishment: St. Marylebone borough council's 250,000 pound scheme at Seymour-place. *Baths & Bath Engin.* May 1937
- modern public baths. [P. Bottger] *Ztschr. f. Bauwes.* 75:63-82. 1925
- modern public baths and wash houses. [Alfred William Stephens and K. M. B. Cross] 2s. 6d. *Simpkin, Marshall.* 1930
A publication of the Amateur Swimming Association of England.
- modern public baths at Northampton, corporation's 25 years project realised. *Baths & Bath Engin.* Nov. 1936
- modern swimming facilities, Wausau, Wisconsin. [S. S. Horgen] *Am. City.* Feb. 1931
- Morecambe and Heysham's new pool. [Geoffrey A. Dent] *Swim. Times.* Dec. 1935
- municipal baths of Bordeaux: summer and winter baths; their respective size, water, dressing rooms, halls, and places for spectators. *Baths & Bath Engin.* July 1936
- municipal baths of Mulhouse. [J. Pillet] *Mem. et Compte Ren. des Travaux de la Soc. des Ing. Civ.* Nov. 1927
- municipal pool in Brunn. [B. Fuchs and W. Bisom] *Monatsh. Bauk.* May 1933
- municipal reservoir converted into a swimming pool. [S. B. Taylor] *Am. City.* May 1924
- municipal swimming pool and flush tank at Oakdale, California. *Municipal Engin.* Dec. 1925
- municipal swimming pools in Colorado cities. *Colorado Municip.* Oct. 1926
- natatorium. [C. K. Cranston] *Am. City.* Aug. 1916
- natatorium for Des Moines, Iowa. [H. B. Frase] *Am. City.* May 1919
- neue städtische Warm- und Hallenschwimmbad im X Bezirk Favoritenum Burger Platz in Wien (new municipal warm and indoor swimming pool in the X District favorite at the Burger Square in Vienna). *Gesundh.-Ing.* 48:290-92. 1925
- new bathing facilities at Rotherham; modern swimming bath building in Sheffield-road. *Baths & Bath Engin.* Oct. 1936
- new pools in 750 municipalities beckon citizens. (ii) *Am. City.* May 1937
- new public baths at Goole. *Baths & Bath Engin.* June 1937
- new public baths, Sunderland; Newcastle road scheme. *Baths & Bath Engin.* July 1936
- Newport harbor's swimming project. [R. K. Reed] *J. Health & Phys. Educ.* Nov. 1935
- Newport (I. O. W.) bathing pool. *Baths & Bath Engin.* Sept. 1936
- of Manhattan. (ii) [R. E. Todd] *Charities.* Oct. 19, 1907
- outdoor pools: detailed report of a study of 221 outdoor pools. [Roger J. Bounds] *Municipal Ind.* p542-57. 1931. *Reprint Chamb. Commer. U.S.* 1931
- pool and baths—municipal bath of Butte. [A. Bidault des Chaumes] *Génie Civil.* July 19, 1924
- pool at Hamilton. [E. H. Darling] *Canad. Engin.* March 11, 1930
- pool at Kitchener. [E. G. Koyl] *Canad. Engin.* April 5, 1932
- pool, Brookline, Massachusetts. [T. M. Dugan] *Domest. Engin.* May 15, 1926
- pool in Johnstown. (diag) [H. L. Wilson] *Am. City.* June 1922
- pools at Lynchburg, Virginia. [R. P. Munday] *Beach & Pool.* Aug. 1927
- pools in France. (ii) [Guy de Villepion] *Nature.* April 15, 1930
- pools in Philadelphia. [Olive Cranston] *Beach & Pool.* Oct. 1935
- pools of Bordeaux. [E. Ginestous, R. Marcard and P. Depierris] *J. de méd. de Bordeaux.* Sept. 4-11, 1937
- pools, Paris. [G. F. Sebille] *Am. Inst. Architects J.* July 1924; also *Engin. & Contract.* June 24, 1925
- Portobello's palatial pool. [William Francis] *Swim. Times.* June 1936
- proposed bathing pool at Port Soderick (I.O.M.). *Baths & Bath Engin.* Sept. 1937
- proposed public baths for metropolitan borough of Bethnal Green. [A. E. Darby] *J. Am. Assoc. Hyg. & Baths.* April 1927
- public bath of Eskilstuna. [P. Hedquist] *Architect. Forum.* Dec. 1933
- public bath system of Brooklyn. [W. H. Hale] *Sc.* Oct. 26, 1906
- public baths and their future development. [K. M. B. Cross] *J. Roy. San. Inst.* Oct. 1927
- public baths and washhouses. [Robert Owen Allsop] \$2.50 *Spon & Chamberlain*
- public baths in England and the United States. [S. C. Lloyd] *Indep.* Jan. 3, 1901

- public baths in small town. [M. Nowotny] *Gesundh.-Ing.* April 7, 1928
- public baths in the United States. [G. W. W. Hanger] *Pa. \$1 Gov. Printing Off.* Sept. 1904
- public baths of Jersey City. [H. A. Kelly] *J. Am. Assoc. Hyg. & Baths.* April 1924
- public swimming and wading pool at Pontiac, Illinois. [W. Bintz] *Am. City.* April 1926
- public swimming baths. [J. R. Stewart] *Chautauquan.* Dec. 1900
- public swimming baths; a swimmer's point of view. *Municipal Engin.* Sept. 29, 1932
- Rochester's new swimming pools. *Recrea.* Sept. 1935
- Rotherham's new swimming bath. *Baths & Bath Engin.* Sept. 1936
- small town pool. [J. Kuhnert] *Playground.* Aug. 1922
- small town pools. [Edgar H. Gardner] *Notab. Swim. Pools.* 1:96-97. 1933
- solving a community swimming pool problem. (il) [W. Rudolph] *Am. City.* Sept. 1937
- stadium of the city of Vienna. [O. E. Schweizer] *Mod. Bauf.* Oct. 1931
- stadium of Vienna. [K. Jahn] *Deutsche Kunst u. Dek.* Sept. 1931
- Statesville's new swimming pool. *Playground.* Aug. 1923
- study of municipal swimming pools in the southeast. *Free. N.R.A.* 1928
- Sutton and Cheam's public baths: Modern building in Malden Road, Cheam. (il) *Baths & Bath Engin.* May 1938
- swimming basin in Hamburg. [G. Nachtigall] *Techn. Gemeindeblatt.* June 5, 1927
- swimming baths in Leicester. [J. A. Benjamin] *Baths & Bath Engin.* Sept. 1937
- swimming pool and bath house, London. [E. V. Buchanan] *Canad. Engin.* Oct. 26, 1926
- swimming pool at Chateau Laurier. *Canad. Engin.* Feb. 24, 1931
- swimming pool at Cornish, New Hampshire. [F. Duncan] *Country Life.* July 1906
- swimming pool at Kennedy Collegiate, Windsor, Ontario. *Canad. Engin.* Aug. 5, 1930
- swimming pool at Overbrook, Pennsylvania. (il) *Architect. Rec.* Jan. 1928
- swimming pool at Sunnyside. *Canad. Engin.* Aug. 25, 1925
- swimming pool, Tamaqua, Pa. *Playground.* Dec. 1925
- swimming pools in Cleveland community houses. *Am. Swimmer.* Feb. 1923
- swimming pools in public parks; rating disputes. *Baths & Bath Engin.* May 1938
- swimming pools in Sioux City, Iowa. [L. N. Hintgen] *Parks & Recrea.* March 1927
- swimming pools operating in Toronto. [R. F. Heath] *Canad. Engin.* Aug. 27, 1929
- three new pools for Rochester, N.Y. Two Wisconsin pools. (il) *Am. City.* April 1935
- Tottenham lido: corporation's modern bathing establishment. *Baths & Bath Engin.* Oct. 1937
- twin swimming pools serve New Orleans. *Domest. Engin.* Feb. 18, 1928
- unusual small-town swimming pool. [D. B. Cole] *Am. City.* April 1923
- West Ham municipal lido: new bathing pool in canning town area. *Baths & Bath Engin.* Oct. 1937
- ON OCEAN LINERS, several ocean liners have fine swimming pools. [H. S. Richards] *Beach & Pool.* July 1927
- OPERATION OF. See Pools and Bathing Places, Operation of
- OUTDOOR. See also Pools and Bathing Places, beaches and water fronts; Pools and Bathing Places, European; Pools and Bathing Places, municipal; Pools and Bathing Places, private
- artificial. [W. W. Towne] *Municipal Rev. Canada.* Oct. 1934
- Atlanta pool. [D. Carey] *Playground.* May 1915
- Basel garden baths: Swiss open-air pools. [A. Teutsch] *Baths & Bath Engin.* Dec. 1936
- Bexley open-air swimming pool; urban district council scheme in Danson Park, Welling. *Baths & Bath Engin.* Oct. 1936
- Black Rock open-air sea water bathing pool and lido, Brighton. *Baths & Bath Engin.* Sept. 1936
- Brockwell Park open-air swimming pool: London county council's new scheme. (il) *Baths & Bath Engin.* Sept. 1937
- Chesterfield open-air swimming bath. *Baths & Bath Engin.* July 1936
- combined open air swimming pool and hockey rink at Milton, Massachusetts. [R. S. Weston] *Am. City.* Feb. 1921
- Congleton open-air swimming bath. *Baths & Bath Engin.* Sept. 1936
- country swimming pool in the city. *Playground.* June 1923
- Folkestone sea water bathing pool. *Baths & Bath Engin.* March 1937
- formal vs. the naturalistic swimming pool. [S. N. Shuncliff] *Sportsman.* July 1934
- Hershey Park pool. [Alexander Stoddart] *Beach & Pool.* Oct. 1934
- Ilkley bathing pool. *Baths & Bath Engin.* Jan. 1937
- largest pool in Kansas. [C. I. Zirke] *Playground.* June 1924
- Larkswood open-air swimming pool; Chingford urban district council scheme. *Baths & Bath Engin.* Oct. 1936

BIBLIOGRAPHY OF SWIMMING

Pools and Bathing Places—Continued**OUTDOOR—Continued**

- mammoth open air swimming pool. Am. City. Aug. 1919
- Minehead open-air swimming pool. Baths & Bath Engin. Aug. 1936
- modern pool. (il) [F. S. Mathewson] Playground. June 1930
- modern substitute for the old swimming hole. [H. D. Mackey] Nation's Schools. Aug. 1930
- modern swimming hole. (il) [T. Wirth] Am. City. Sept. 1920
- modern swimming holes. (il) Country Life. Aug. 1934
- my Spanish wonder pool. [Guy de Villepion] Swim. Times. May 1934
- new baths at Whitehaven. Baths & Bath Engin. May 1937
- new instructional swimming bath at Bournville. Baths & Bath Engin. July 1936
- new open-air bathing pool, Portobello: city of Edinburgh scheme. Baths & Bath Engin. July 1936
- new open-air swimming pool, Peterborough: corporation's scheme in Bishop's-road. Baths & Bath Engin. July 1936
- new swimming pool in Arizona. (il) Recrea. July 1935
- new swimming pools in Birmingham, Alabama. [H. Bethea] Am. City. April 1922
- new swimming pools in Rochester, N.Y. Recrea. Sept. 1935
- ole swimmin' hole, Greenfield, Indiana. Recrea. June 1931
- open-air pools, Great Britain; with discussion. (il, diags) [J. M. Easton] J. Roy. San. Inst. Nov. 1935
- open-air swimming baths. [N. Playfair] Spectat. Sept. 27, 1930
- open-air swimming pools in South Wales; memorandum on Rhondda urban council schemes. Baths & Bath Engin. Dec. 1937
- open air swimming pools in Wisconsin cities. Am. City. July 1917
- das Ottakringer Freiluftschwimmbad der Stadt Wien (Ottakringer open-air swimming pool of the city of Vienna). 15p Chwala's Druck. 1926(?)
- outdoor pool; obvious need for clean pools. [C. V. Craster] Am. J. Pub. Health. Nov. 1919
- outdoor pools. [P. Martyn] Country Life. July 1905
- outdoor pools. [Stanley Pinel] (Bull. no. 61). Free. Iowa State Col. 1924
- outstanding pool. Beach & Pool. June 1933
- paradise pool. [L. Harry Koskie] Swim. Times. Sept. 1935
- pool supplants the old swimming hole. [S. N. Shuncliff] Sportsman. May 1934
- pools and pools. [A. M. Crane] J. Am. Water Works Assoc Jan. 1929; also Canad. Engin. Jan. 8, 1929; also Municipal News & Water Works. Feb. 1929
- sea-water swimming pool at Allenhurst, New Jersey. Am. City. April 1915
- South Park swimming pool. [H. S. Richards] Beach & Pool. Oct. 1927
- splendid memorial swimming pool in New South Wales. (plan) Am. City. Nov. 1928
- suburban swimming pool. [B. Goodrich] Country Life. June 1917
- swimming-hole. [E. Wood] McClure. June 1903
- swimming hole in Chicago. [R. Dean] Nat. Municipal Rev. March 1922
- swimming pool on top of the ground; Cleveland, Ohio. (il) [O. S. Newmann] Am. City. May 1928
- swimming pools at Ryton Bridge and Baldock. Baths & Bath Engin. Aug. 1936
- swimming pools that snare the sun. [H. P. Keith] Craftsman. Dec. 1915
- Tamworth open-air swimming baths. Baths & Bath Engin. Oct. 1936 and June 1937
- use of outdoor swimming pools as skating rinks. (il) Am. City. Nov. 1936
- Venetian pool at Coral Gables. Concrete. July 1924
- watch out America; new pool Milan, Italy. [E. T. Smith] Beach & Pool. Aug. 1934
- western esplanade open-air pool. Baths & Bath Engin. May 1937
- wonder pool at Wembley. Swim. Times. Dec. 1933
- PORTABLE, portable swimming tanks. Sc. Am. Sept. 1911
- PRIVATE, back-yard pool. [B. T. Galloway] Country Life. Nov. 1905
- boys' swimming pool made by boys. [R. F. Pollack] Suburb. Life. May 1907
- charm and usefulness of the garden swimming pool. [C. A. Byers] Craftsman. Nov. 1912
- family pool built in back yard. (il, diags) [H. Sibley] Pop. Sc. June 1934
- for country estates. (il) [T. McAdam] Country Life. Aug. 1908
- for country homes. [S. DeBrie] Country Life. June 1923
- for the garden. (il, diags) [H. V. Walsh] Arts & Decorat. July 1930
- garden swimming pools [C. A. Byers] House & Garden. Feb. 1921; also Sunset. Feb. 1926
- home-made swimming pool. (il) [J. F. Cooper] Sunset. Feb. 1932
- home-made swimming pool. [M. B. Felter] St. Nichol. June 1915
- home-made swimming pool. [L. H. Williams] Country Life. Aug. 1910
- home swimming pool. (il) [M. Brownfield] Hygeia. Aug. 1929

- home swimming pools. [R. H. Van Court] *Indep.* July 25, 1912
- in the garden. [W. W. Smith] *Suburb. Life.* July 1911
- on western estates. (il) [C. A. Byers] *Arts & Decorat.* June 1929
- Pompeian swimming pool on estate of H. H. Rogers, Southampton. *Architect.* Aug. 1930
- private plunge is yours for the making. (il) [G. Will] *Sunset.* April 1935
- private swimming pools of southern France. (il) *House & Garden.* Jan. 1933
- swim in your own back yard: with working drawings. (il) [H. Sibley and A. C. Robinson] *Am. Home.* June 1937
- swimming on the lawn. (il) *Arts & Decorat.* June 1934
- swimming pool on estate of Paul C. Nicholson, Bristol, Rhode Island. (views) *Architect.* June 1930
- PUBLIC HEALTH IN RELATION TO. See Diseases, relation to pools; Public Health
- REGULATIONS REGARDING. See Regulations; Regulations, state
- RELATION TO DISEASES. See Diseases, relation to pools
- SALT-WATER. See also Pools and Bathing Places, Sanitation of, salt-water pool
 - Black Rock open-air sea water bathing pool and lido, Brighton. *Baths & Bath Engin.* Sept. 1936
 - chlorination of contaminated sea water for bathing. [O. Klingberg and E. Schroedter] *Gesundh.-Ing.* Nov. 22, 1930
 - converting a fresh-water pool into a salt-water pool. (il) [William T. Runcie] *Swim. Pool Data & Ref. Ann.* 5:50-52. 1937
 - Folkestone sea water bathing pool. *Baths & Bath Engin.* March 1937
 - new municipal casino with filtered and heated fresh sea water. [M. G. Breton] *Génie Civil.* June 15, 1929
 - Palos Verdes estate salt water pool. [C. D. Walz] *Domest. Engin.* Nov. 29, 1930
 - salt water bath of Anglet, near Biarritz. [R. Nouaille] *Génie Civil.* Oct. 8, 1932
 - salt water for the inland pool. [C. H. Potter] *Beach & Pool.* March 1931
 - salt water seaside pool; Westchester Country Club pool. [F. W. Bolles] *Domest. Engin.* July 26, 1930
 - sea-water swimming pool at Allenhurst, New Jersey. *Am. City.* April 1915
- SANITATION. See Pools and Bathing Places, Sanitation of
- THERAPEUTIC, equipment of therapeutic pools. [C. L. Lowman] *J. Am. Med. Assoc.* March 22, 1930
- portable. [P. Palew] *J. Bone & Joint Surg.* Jan. 1936
- Queens seeks \$20,000 for a healing pool. *Beach & Pool.* May 1937
- swimming tank is aid in orthopedic work. [E. Smith] *Mod. Hosp.* April 1928
- under water gymnasium as adjunct to orthopaedic surgery. [C. L. Lowman] *J. Bone & Joint Surg.* Jan. 1927
- use of the therapeutic pool. [C. L. Lowman and Susan Roen] *Am. Pub.* June 1928
- value and use of exercise pool. [J. B. Merrill] *Physiotherapy Rev.* May-June 1931
- VENTILATION. See Pool Buildings, Ventilation of
- WATER FRONTS. See Pools and Bathing Places, beaches and water fronts
- Pools and Bathing Places, Construction of
 - See also Legal Aspects; Pool Buildings, Ventilation of; Pool Buildings and Water, Heating of; Pools and Bathing Places; Pools and Bathing Places, Equipment for; Pools and Bathing Places, Financial Aspects of, construction and operation; Pools and Bathing Places, Lighting of; Regulations; Regulations, state; Shower Baths
 - [W. C. Batchelor] *Am. City.* April 1926. *Reprint* 10c N.R.A. 1926
 - [J. D. Betelle] *Architect. Forum.* Sept. 1926
 - [A. J. Boase] *Beach & Pool.* Dec. 1937
 - [Ruth Canavan] *J. Boston Soc. Civil Engin.* 5:298-306. 1918
 - [G. H. Corsan] *Country Life.* March 1926
 - [W. A. Kearns] *Recrea.* Oct. 1934
 - [H. J. Kuelling and W. E. Jeffrey] *Municip.* May 1937
 - [W. H. Latham] *Am. Architect.* Nov. 1936
 - [F. H. Lorentz] *Techn. Gemeindeblatt.* June 25, 1931
 - [Alfred MacDonald] *City Mgrs. Assoc. Mag.* Nov. 1923
 - [P. Martyn] *Country Life.* July 1905
 - [J. E. Raycroft] *Playground.* Feb. 1914; *reprint* 20c N.R.A.
 - [O. H. Wulff] *Thesis.* Springfield Col. 1937
 - advice to architects from men who manage pools. [Earl K. Collins] *Swim. Pool Data & Ref. Ann.* 4:46; 72. 1936
 - das Amalienbad der Gemeinde Wien im X Bezirk, Reumannplatz (Amalien bath of the community of Vienna in X circle, Reumann Square). 31p Chwala's Druck. 1926(?)
 - America's outstanding swimming pool of 1932. *Notab. Swim. Pools.* 1:23-27. 1933
 - architectural features of the new plant. [E. W. Maybury] *Nation's Schools.* Feb. 1934
 - Austria's finest bathing institute; Amelia baths. (il, plan) *Domest. Engin.* May 19, 1928
 - backyard pool. (il, diags, plan) [H. Sibley] *Pop. Mechan.* June 1929

BIBLIOGRAPHY OF SWIMMING

Pools and Bathing Places, Construction of
Continued

- bath house suggestions. (il, diag) [A. J. Boase] *Swim. Pool Data & Ref. Ann.* 6:44-45 1938
- bathing house of the Mauser Works Inc. of Oberndorf. [O. Spiegelberg] *Gesundh.-Ing.* 48:289. 1925
- bathing places in Bedford. [Charles H. Blakeway] *Baths & Bath Engin.* Nov. 1937
- Berlin's wonderful bath house. *Spectat.* April 25, 1931
- Besford wins Hiller's prize. *Swim. Times.* Sept. 1934
- Bournemouth public baths: county borough's modern building at pier approach. (il) *Baths & Bath Engin.* April 1937
- building a 1,500,000 gallon pool at Youngstown, Ohio. *Concrete.* July 1925
- building one of the Mid-West's leading pools. (il, diag) [L. E. Glenny] *Swim. Pool Data & Ref. Ann.* 6:36-38. 1938
- by the pneumatic pressure method. [Earl K. Collins] *Swim. Pool Data & Ref. Ann.* 6:14-15. 1938; *also Beach & Pool.* April 1938
- Cinderella miners build swimming pool. *Coal Age.* Sept. 11, 1924
- circular outdoor pool. (il) *Nation's Health.* Aug. 1922
- complete presentation and discussion of a first-class pool. (il) [F. R. Botham] *Swim. Pool Data & Ref. Ann.* 5:40-49. 1937
- concerning construction, building and the management of public bathing institutions. [L. Volk] *Gesundh.-Ing.* 48:276-98. 1925
- concerning pools and showers. [Schultze] *Centralbl. f. allg. Gsndhtspfl.* 24:19-20. 1905
- deep water baths essential: cause of pool polo and diving. *Swim. Times.* Aug. 1935
- desirable features in new swimming pools. *Am. School & Univ.* p234-6. 1931-32
- development in. [W. Atherton] *J. Am. Assoc. Hyg. & Baths.* 4:27-35. 1922; *also Beach & Pool.* April 1927
- developments in the baths world. *Baths & Bath Engin.* Jan. 1937
- developments of the past decade. (il, diag) [C. A. Hyatt] *Parks & Recrea.* May 1932
- doing as the Romans did when they built pools. [W. S. Pollard] *Am. City.* March 1933; *also Lit. Dig.* May 20, 1933
- “Dolphin Square” indoor swimming pool: a London residential estate's modern amenity. *Baths & Bath Engin.* Nov. 1937
- Earls Court swimming pool. (il) *Baths & Bath Engin.* Sept. 1937
- Egyptian swimming pool; Hotel La Fontaine, Huntington, Indiana. *Building Age.* April 1926
- elementary treatise on the construction, sanitation and operation of swimming pools. [Louis J. Day and C. W. Stedman, with the cooperation of Josam Manufacturing Company, Engineering and Research Departments] \$1 48p [Josam Mfg. Co. 1937; *also Swim. Pool Data & Ref. Ann.* 6:41p (Suppl. Sec.). 1938. Not in Index
Also appeared as series of eleven articles in Beach & Pool beginning Feb. 1938.
- Ellsworth, 21,000 population, builds a municipal swimming pool. [F. R. Shaw] *Am. City.* June 1924
- engineering features of a modern gymnasium; Payne Whitney Gymnasium at Yale University. [E. E. Seelye] *Engin. News Rec.* Aug. 24, 1933
- England is building outstanding pools. [L. S. and G. Wilkinson] *Beach & Pool.* May 1934
- evolution of a swimming pool. (il) [C. E. Miles] *Am. City.* Sept. 1927
- fifty years ahead; the baths of the future. [Thomas E. Mogg] *Baths & Bath Engin.* Aug. 1936
- Fleishhacker Pool can't be emptied. *Beach & Pool.* May 1937
- Hasting's bathing pool. *Engin.* Sept. 1, 1933
- Hotel del Coronado, Coronado, California, has installed an architect's dream. [Earl K. Collins] *Beach & Pool.* March 1935
- Hove's new bathing amenities. *Baths & Bath Engin.* March 1937
- how to build a pool. [R. H. Pratt] *House & Garden.* Aug. 1923
- ideal pool. [W. W. Stevens] *Domest. Engin.* July 25, 1931
- important considerations for the pool. *Swim. Pool Data & Ref. Ann.* 4:57. 1936
- in relation to the operation of swimming pools. (il) [R. F. Heath] *Canad. Pub. Health J.* April 1936
- keynotes of a modern pool. (il) [Edward C. Jenkins] *Swim. Pool Data & Ref. Ann.* 5:23-25. 1937
- Larchmont Sports Club, Larchmont, New York. [J. J. Spoon] *Am. Land. Architect.* April 1930
- modern aspects of the construction of large bathing institutions. [J. Fichtl] *Gesundh.-Ing.* 48:282. 1925
- modern baths and bath houses. [W. P. Gerhard] \$3 Wiley. 1908
- modern pool construction. (il, plan) [E. H. Darling] *Canad. Pub. Health J.* Sept. 1933
- modern practice outlined in committee report presented at the Conference of State Sanitary Engineers June, 1926. [American Public Health Association and the Conference of State Sanitary Engineers, Joint Committee on Bathing Places] *Water Works.* Jan. 1927

- modern public baths for Wakefield: 45,000 pound scheme in course of erection. (plan) *Baths & Bath Engin.* Nov. 1937
- modern swimming hole. [William Pitt Mason] *Playground.* April 1921
- modern trend in. [Harry A. Ackley] *Beach & Pool.* Jan. 1938
- movable metal bulkhead for pools has proved its value in the Payne Whitney Swimming Pool, Yale University, New Haven, Conn. (diags) *Swim. Pool Data & Ref. Ann.* 60:40-41. 1938
- necessity for separating hall in which swimming pool is located from shower rooms and dressing rooms. [H. Habs] *Arch. f. Hyg.* 104:358-66. 1930
- neue Hallenschwimmbad auf der St. Margareteninsel in Budapest (new indoor swimming pool on St. Margaret Island in Budapest). *Mod. Bauf.* Oct. 1931
- neue städtische Warm- und Hallenschwimmbad im X Bezirk Favoritem um Burger Platz in Wien (new municipal warm and indoor swimming pool in the X District favorite at the Burger Square in Vienna). *Gesundh.-Ing.* 48:290-92. 1925
- new swimming pool in Stuttgart. [Wolfer and Webber] *Gesundh.-Ing.* June 28, 1930
- New York City undertaking extensive pool construction. *Municipal Sanit.* Sept. 1934
- of 46 high school and college pools on the Pacific Coast. [Jack E. Hewitt] *Thesis.* Univ. Oregon. 1931
- of free public baths. [W. Eymann] *Gesundh.-Ing.* Feb. 25-March 3, 1928
- of outdoor pools. [Alfred MacDonald] *Parks & Recrea.* March-April 1924
- of public pools, Germany. [O. Schmidt] *Gesundh.-Ing.* Sept. 12, 1925
- of watertight pools. [A. J. Boase] *Swim. Pool Data & Ref. Ann.* 4:27-30. 1936
- open-air swimming baths. (il) [Baird Dennison] *Municipal Rev.* Jan. 1933
- open air swimming pools: their design and construction. *Municipal Engin.* Jan. 14, 1937; also *Swim. Times.* Feb. 1937
- das Ottakringer Freiluftschwimmbad der Stadt Wien (Ottakringer open-air swimming pool of the city of Vienna). *Chwala's Druck.* 1926
- outdoor pools. [Robert S. Neilson] *Thesis.* State Col. Washington. 1937
- pool engineering. [Robert S. Kent] *Swim. Pool Data & Ref. Ann.* 6:43; 72. 1938
- pools in parks and playgrounds. [L. Bancroft] *Canad. Engin.* Sept. 13, 1932
- practical problems in pool construction. [Fred H. Clapp] *Thesis.* Univ. Southern California. 1928
- public bath houses and pools. (il) [W. P. Gerhard] *Am. City.* Nov. 1914; also Pa. 20c *The Author.* 1914
- public baths and pools. [F. E. Fronczak] *Canad. Engin.* June 21, 1932
- public baths and wash-houses; a treatise on their planning, design, arrangement, and fitting, having special regard to the acts arranging for their provision. (il, plans) [Alfred William Stephens Cross] 281p *Batsford.* 1906; \$7.50 *Scribner's*
- report of committee on pool construction. [R. J. Horton] *Phys. Train.* Dec. 1919
- rules for building public pools. [S. Cramarossa] *Gior. di batteriol. e immunol.* July 1935
- sanitary, heating and ventilation engineering. (il) 4v *Am. Tech. Soc.* 1919
- sanitary suggestions regarding the location and construction of public bath beaches. [Harold A. Whittaker] *Journal-Lancet.* 38:349. 1918
- sanitary swimming pool construction. [J. Francis Booraem] *Williams Printing Co.* 1916
- solved—a swimming problem. *Domest. Engin.* Aug. 21, 1926
- standards for. (bib, il, diags, plans) [A. L. Kocher and R. L. Davison] *Architect. Rec.* Jan. 1929
- step by step in pool construction. (il) [Edward P. Schinman] *Swim. Pool Data & Ref. Ann.* 5:32-36. 1937
- study of. [W. H. Ball] *Assoc. Press*
- survey of swimming bath practice in Germany. [John A. Davenport] *Baths & Bath Engin.* Oct. 1936
- swimming baths and pools: essential requirements in construction, maintenance and administration. *Baths & Bath Engin.* Sept.-Dec. 1936
- swimming pool engineering. [J. R. McColl] *Canad. Engin.* June 7, 1932
- swimming pools. [J. Howatt] *Domest. Engin.* Aug. 24, 1929
- swimming pools. [W. W. Stevens] *Domest. Engin.* March 1933
- swimming pools. (il) [Tile Manufacturers' Association] 1914
Several later eds.
Tile Mfrs. Assoc. devoted largely to the construction of indoor pools.
- swimming pools and bathing beaches: some practical slants on pools. [V. K. Brown] *Parks & Recrea.* May 1931
- swimming pools and the engineer. [W. S. Franklin] *Engin. & Contract.* Feb. 11, 1925
- swimming pools—building types. (il) *Architect. Rec.* June 1937
- swimming pools: construction and equipment. *Am. Architect.* May 5, 1927
- swimming pools: construction and equipment. (il) *Municipal Engin.* Oct. 27, 1932
- swimming pools—design and construction data. *J. Am. Assoc. Hyg. & Baths.* Sept. 1929

Pools and Bathing Places, Construction of*—Continued*

- swimming pools for public schools. [C. E. Dobbin] Am. Architect. 1919(?)
- swimming pools: their construction, mechanical installation, water supply, heating the water, various types of installations adapted to different conditions. (il, charts) [John K. Allen] 1st ed. 50c Domest. Engin. Co. 1907; 2nd ed. [John K. Allen and A. G. King] 75c Domest. Engin. Co. 1915
- underlying principles of. [William R. Shirley] Swim. Pool Data & Ref. Ann. 5:31-32. 1937
- ABOVEGROUND, American swimming pool constructed above-ground. Baths & Bath Engin. Sept. 1936
- one-piece, above-ground pool, Grundy Center, Iowa. (il) [G. H. Sanders] Am. City. Aug. 1936
- ACOUSTIC PROBLEMS IN, acoustics of swimming baths. (R. Prince and E. McCarthy) Baths & Bath Engin. Sept. 1936
- ARCHITECTURAL PLANS. See Pools and Bathing Places, Construction of, designs for
- AS RELIEF PROJECTS, Noblesville in providing play provides work. (il) [K. Meara] Am. City. Dec. 1931
- swimming pool constructed as relief measure, Youngstown, Ohio. (il) [G. M. Cook] Am. City. Oct. 1932
- ASPHALT FOR, asphalt bottom for pool in Manhattan, Kansas. [H. W. Alexander] Am. City. June 1924
- asphalt-made open bathing basins and separated basins for the teaching of swimming with free passage. [Kopf] Gesundh.-Ing. Jan. 31, 1925
- in open-air pools. [H. Leis] Baths & Bath Engin. March 1938
- BETHLEHEM PLAN FOR, [W. S. Franklin] Cambridge, Mass. The Author. 1918
- [W. S. Franklin] Am. Phys. Educ. Rev. Feb. 1918
- Bethlehem plan of swimming pool. Indep. Oct. 2, 1916
- BRICK FOR, enamel brick for swimming pools. Beach & Pool. Nov. 1929
- highlights of America's first all-brick pool. (il) [C. T. Bridgman] Swim. Pool Data & Ref. Ann. 6:34-35; 80. 1938
- BUILDING MATERIALS FOR, artificial pools: construction materials. [Raymond Johns Faust] Thesis. Pennsylvania State Col. 1935
- construction materials index. [Construction Materials Research Company] Annual. Const. Mat. Research Co.
- suggests some sales attention be paid to selling materials for pools. [H. D. Mackey] Brick & Clay Rec. Oct. 21, 1930
- CONCRETE AND CEMENT FOR, concrete swimming and wading pools and how to build them. [Portland Cement Association] 18p Portland Cement Assoc. 1916
- concrete swimming pool construction. Baths & Bath Engin. Feb. 1937
"Condensed Specification for Concrete Swimming Pool Construction (first pub. in *Modern Public Baths and Wash-houses*)."
- concrete swimming pool is popular. Concrete. Sept. 1928
- concrete swimming pool of unusual size and design at Stockton, California. Am. City. June 1919
- construction of pools and the use of white Portland cement for appearance. [Atlas Portland Cement Company] Atlas Portland Cement Co.
- construction of rectangular concrete pool. [J. E. Foster] Beach & Pool. May 1927
- design for a swimming bath in reinforced concrete. [F. Goldsmith] Architect. Rev. April 1932
- English open air swimming pool has walls of concrete sheet piling. Engin. & Contract. Jan. 27, 1926
- limestone aggregate and watertight concrete. [J. Singleton-Green] Baths & Bath Engin. Feb. 1938
- open-air concrete swimming baths. Surveyor. Oct. 2, 1925
- open-air concrete swimming baths. [Portland Cement Association] Portland Cement Assoc. 1926
- open-air swimming baths. [Portland Cement Association] Portland Cement Assoc. 1925
- review of the literature of reinforced concrete. [Leon S. Moisseiff] 63p Engin. News Bk. Dept. 1909
- specifications for concrete work. [Portland Cement Association] Swim. Pool Data & Ref. Ann. 3:55; 58; 102. 1935
- swimming pool construction: protection of concrete against the sub-soil. (il) Baths & Bath Engin. Sept. 1937
- swimming pool for health and happiness. [Portland Cement Association] Free. 23p Portland Cement Assoc. 1936
- swimming pools. [Portland Cement Association] Free. 23p Portland Cement Assoc. 1930
- two concrete pools; construction details. [W. W. Harding] Am. Land. Architect. May 1931
- waterproofed cement for outdoor swimming pools. Am. City. March 1922
- Costs. See Pools and Bathing Places, Financial Aspects of, construction and operation
- DECORATIONS, chrome-nickel steel used extensively in new gymnasium at Yale. Steel. Aug. 8, 1932
- colonnade around a swimming pool. Beaux Arts Inst. D. Bull. Oct. 1929
- decoration of a swimming pool. Beaux Arts Inst. D. Bull. May 1931
- enhancing the beauty of the pool. [A. B. Winter] Beach & Pool. Dec. 1934
- Pompeian splendor for a swimming pool. (il) Lit. Dig. Aug. 9, 1930

DESIGNS FOR. See also Pools and Bathing Places, Construction of

- [W. Bintz] Domest. Engin. Feb. 26, 1927
- [A. J. Boase] Beach & Pool. Dec. 1937
- [J. H. Dorroh] 25c Univ. New Mexico. 1934
- [Jack J. Hinman, jr.] Domest. Engin. June 27, 1925
- [W. A. Kearns] Recrea. Oct. 1934
- [Frederick Josiah Spry] Thesis. Cornell Univ. 1929
- architect's specifications of the Hotel del Coronado pool, Coronado, California. [Donald D. McMurray] Beach & Pool. April-Aug. 1935
- artificial swimming pools: detailed designs. [Raymond Johns Faust] Thesis. Pennsylvania State Col. 1935
- as to operation and sanitation. [Jack J. Hinman, jr.] Municipal & County Engin. Feb. 1924; also Am. City. April 1924; also Playground. Nov.-Dec. 1924
- Australia is making headway in its fight for modern pools. (plans) Beach & Pool. Nov. 1934
- balanced design for pool. [H. Davidson] Domest. Engin. Nov. 1932
- bath house layouts. [Walter W. Madge] Notab. Swim. Pools. 1:94-95. 1933
- baths planning and statistics. Baths & Bath Engin. Jan. 1937
- contemplated pool. [Ward Brennan] Notab. Swim. Pools. 1:100. 1933
- department of architecture swimming pool. Beaux Arts Inst. D. Bull. Dec. 1930
- design and construction of swimming pools and bathhouses. 1928-1929. (il, plans) Municipal Ind. p503-16. 1930
- designs, contours, survey. [Wm. H. Eichelman] Notab. Swim. Pools. 1: 84-87. 1933
- detail of various pools' sections; working drawings. [J. G. Stewart] Architect. Feb. 1933
- details of the Victor Lawson "Y." [Marjorie Everson] Beach & Pool. April 1936
- dimension diagrams: swimming pool details. Architect. Rec. Dec. 1933
- Empire pool and sports arena, Wembley, England; with views and plans. Architect. Rec. Dec. 1934
- engineer's illustration of a regulation pool. Swim. Pool Data & Ref. Ann. 3:12. 1935
- Epsom and Ewell's proposed new public baths. Baths & Bath Engin. Feb. 1938
- essential considerations in pools for present-day schools. (il) [W. B. Ittner] Am. School Board J. Jan. 1923
- essential factors. (il) [M. P. Hatcher] Municipal Sanit. July 1931
- essentials of a modern pool. [Paul H. Huedepohl] Swim. Pool Data & Ref. Ann. 3:38-40. 1935
- factors. [V. K. Brown] Am. Land. Architect. Sept. 1929
- features. [W. A. Becker] Canad. Engin. July 21, 1931
- features of Connecticut pools. [Warren J. Scott] Connecticut Health Bull. Jan. 1926
- features of design in 1,000 foot outdoor swimming pool, San Francisco. Engin. News. March 12, 1925
- features of pool designs. [W. A. Becker] J. Am. Assoc. Hyg. & Baths. March 1931; also Beach & Pool. July 1931
- features of the new pool of Baltimore City College. (il) [Henry G. Perring] Am. School & Univ. p191-2. 1928-29
- features of the "S.S. Brighton." [Carl Wootton] Swim. Times. July 1934
- for sanitation and greatest profit. [N. W. Johnstone] Mind & Body. Sept.-Oct. 1914
- fresh-water pool provides nucleus for novel Belgian resort, Lac-aux-Dames, Westende. (il, plans) Architect. Rec. Oct. 1937
- from operation experience. [V. K. Brown] Beach & Pool. Jan. 1932
- general features of public pools. (il, diags) [V. M. Ehlers] Municipal News & Water Works. July 1928
- general specifications and conditions. [J. Di Stasio & Company] Swim. Pool Data & Ref. Ann. 4:60-62. 1936
- Germany adopts modern architecture for swimming baths. (il) [E. Seligmann] Am. City. Aug. 1930
- great rooms; auditorium, gymnasium, pool, and cafeteria. [Marion A. Porter] Jr.-Sr. High School Clear. House. Dec. 1929
- guidance in the design of municipal pools. [C. A. Holmquist and C. R. Cox] Swim. Pool Data & Ref. Ann. 4:35-37; 74. 1936
- guiding considerations. (il, plans) [H. N. Ginn] Municipal Engin. Oct. 19-26, 1933
- how to consider the proposed pool. [Harry A. Ackley] Beach & Pool. Oct. 1936; also Baths & Bath Engin. Dec. 1936
- ideal municipal pool layout. (il) [Harry A. Ackley] Swim. Pool Data & Ref. Ann. 3:56-57. 1935
- ideal swimming baths. (il, diags) [H. N. Ginn] Municipal Engin. Oct. 18, 1934
- in Germany. [Thomas Beattie] Municipal Engin. May 20, 1937
- indoor and outdoor pools in West Virginia. [J. B. Harrington] West Virginia State Dept. Health Quart. Bull. April 1927
- interesting features of Audubon Park Natatorium, New Orleans. (il) [W. Schappegrell] Am. City. Oct. 1928

BIBLIOGRAPHY OF SWIMMING

Pools and Bathing Places, Construction of*—Continued***DESIGNS FOR—Continued**

- interior design; indoor swimming pool. Beaux Arts Inst. D. Bull. April 1930
- Kingston-on-Thames public baths: royal borough's new 52,000 pound amenity. (il) *Baths & Bath Engin.* Sept. 1937
- Larchmont Sports Club, Larchmont, New York. [J. J. Spoon] *Am. Land. Architect.* April 1930
- layout of 46 high school and college pools on the Pacific Coast. [Jack E. Hewitt] Thesis. Univ. Oregon. 1931
- layout of the world's largest indoor bathing establishment. Seven pools under one roof. (diag) [Earl K. Collins] *Swim. Pool Data & Ref. Ann.* 6:68-70. 1938
- Long Island pool house and swimming pool. (il) *Arts & Decorat.* June 1931
- lycée de filles, Oak Park, Illinois. [Childs and Smith] *Architect.* (new series). June 1930
- memorial pool hygienically designed. (il) [H. C. Pate] *Am. City.* July 1929
- metameter transmitter: Bristol's design for telemetering pressure, liquid level, temperature, flow and motion. (il) *Baths & Bath Engin.* Feb. 1938
- model natatorium, Richmond, California. *Playground.* Sept. 1926
- modern practice outlined in committee report presented at the Conference of State Sanitary Engineers June, 1926. [American Public Health Association and the Conference of State Sanitary Engineers, Joint Committee on Bathing Places] *Water Works.* Jan. 1927
- modern swimming facilities. [B. W. Cummins] *Municipal Engin.* Aug. 25, 1932
- new central baths, Hackney: architectural competition. *Baths & Bath Engin.* March 1937
- new central public baths, Leeds: architectural competition: winning design for New York road scheme. *Baths & Bath Engin.* Jan. 1937
- new ideas in swimming pools. [H. S. Adams] *Country Life.* Feb. 1913
- new public baths, Holborn: result of architectural competition. *Baths & Bath Engin.* Feb. 1937
- new type of pool adopted by the Chicago Park District. [Harry O'Hare] *Swim. Pool Data & Ref. Ann.* 4:44-45. 1936
- Nottingham's new swimming pools: corporation establishments in the Bulwell District and Carrington and Sherwood Districts. (diags) *Baths & Bath Engin.* Oct. 1937
- of a country club pool. [Maurice Webster] *Swim. Pool Data & Ref. Ann.* 4:55-57. 1936
- of a natatorium for the Ohio State University. [Octave Ammon] Thesis. Ohio State Univ. 1925
- of a natatorium for the Ohio State University. [R. A. Bohling] Thesis. Ohio State Univ. 1923
- of an outdoor pool for the Ohio State University. [Edward Wolfson] Thesis. Ohio State Univ. 1937
- of Emma Kaufman pool. [Morris Knowles, Inc.] *Beach & Pool.* May 1935
- of modern pools. [Jack J. Hinman, jr.] *Beach & Pool.* June 1927
- of outdoor pools. [Robert S. Neilson] Thesis. State Col. Washington. 1937
- of Pennsylvania's most modern pool,—North Park Pool, County of Allegheny. [Karl B. Weber] *Swim. Pool Data & Ref. Ann.* 6:26-29. 1938
- of Pittsburgh Field Club. (il) [Harry A. Ackley] *Swim. Pool Data & Ref. Ann.* 5:14-16. 1937
- of public baths. [O. J. Gette] *Architect. Forum.* Sept. 1927
- of swimming and wading pools. [A. J. Boase] *Beach & Pool.* Sept.-Nov. 1935
- of the smaller outside pool. [W. S. Wiedon] *Land. Architect.* Oct. 1932
- of Wichita's municipal pools. [MacDonald] *Concrete Highways & Pub. Improve.* May 1928
- open-air bathing lake, Southport; Hornsey swimming pools; proposed open-air bathing pool, Morecambe. *Architect.* March 1931
- open-air pools: factors in their efficient design. [J. M. Easton] *Swim. Times.* Oct. 1935
- open-air swimming baths. (il) [Baird Dennison] *Municipal Rev.* Jan. 1933
- open air swimming pools: their design and construction. *Municipal Engin.* Jan. 14, 1937; *also Swim. Times.* Feb. 1937
- outdoor pools. (il, tables, plan) [R. J. Gibb] *Parks & Recrea.* May 1925
- outdoor pools. [Stanley Pinel] *Engin. & Contract.* May 14, 1924
- outdoor pools for clubs. [M. F. Hasbrouck] *Architect. Forum.* March 1930
- outline of compact pool unit. (diag) [Edward Novak] *Swim. Pool Data & Ref. Ann.* 6:70. 1938
- Payne Whitney Gymnasium and Ray Tompkins House at Yale University. J. R. Pope, architect: with views and plans. *Architect. Rec.* Feb. 1933
- physical education building at University of Rochester, Rochester, New York. [E. Fauver] *Res. Quart.* March 1931
- planning and designing of public and private swimming baths. [K. M. B. Cross] *J. Roy. Inst. Brit. Architects.* Jan. 13, 1934
- planning pools. [J. D. Betelle] *Architect. Forum.* Sept. 1926
- planning the outdoor pool. [Lindon John Murphy] 10c 39p *Iowa State Col. Bulletin* 108, Engineering Extension Service. 1931

- plans and specifications for outdoor swimming pools. *Concrete Products*. July 1924
- pool design. [W. A. Becker] *Beach & Pool*. Nov. 1928
- pool design and consultation. [Alexander, Becker and Schoeppe, Inc., E. W. Bacharach and Company, and W. Bintz] *Municipal Ind.* p501; 566-567; 570. 1931
- pool design and consultation. [Alexander, Becker and Schoeppe, Inc. and W. Bintz] *Municipal Ind.* p524; 545. 1932
- pool design and consultation. [E. W. Bacharach and Company, W. Bintz, and F. W. Darlington] *Municipal Ind.* p281; 285; 467. 1933
- pool design data. [A. M. Crane] *J. Am. Assoc. Hyg. & Baths*. 14:53-64. 1930
- pool designing and consultation. [Alexander, Becker and Schoeppe, Inc., E. W. Bacharach and Company, W. Bintz, Graver Corporation and Lord and Burnham Company] *Municipal Ind.* p456; 474; 522-4; 527; 594-5; 742-3. 1930
- pool engineering and design. [Robert S. Kent] *Swim. Pool Data & Ref. Ann.* 6:43; 72. 1938
- practical design of pools. [William Pitt Mason] *Am. City*. March 1920
- present-day swimming pools achieve high standards of design and operation. (il) *Am. City*. March and May 1932
- problems. [R. C. Friend] *Engin. & Contract*. Oct. 14, 1925
- public baths and wash-houses: a treatise on their planning, design, arrangement, and fitting, having special regard to the acts arranging for their provision. (il, plans) [Alfred William Stephens Cross] 281p *Batsford* 1906; also \$7.50 *Scribner's*
- rational design of pools. [E. H. Darling] *Baths & Bath Engin.* Sept. 1937
- school swimming pool. [California Department of Education, Division of Schoolhouse Planning] *California Dept. Educ.* 1930
- Sioux City, Iowa, has modern pools. [L. N. Hintgen] *Beach & Pool*. July 1927
- Spalding Pool at Dartmouth College. (il) [Leon V. Solon] *Architect. Rec.* Sept. 1921
- specification for a regulation pool. [Wm. H. Eichelman] *Swim. Pool Data & Ref. Ann.* 3:15-22. 1935
- standard Boy Scout pool. [Harvey A. Gordon and R. H. Bryan] *Beach & Pool*. March 1937
- standards for. [American Public Health Association] *Am. J. Pub. Health*. Dec. 1926
- standards for. [S. DeM. Gage] *Beach & Pool*. Aug. 1927
- standards for. [S. DeM. Gage, Harry F. Ferguson and others] *J. Am. Assoc. Hyg. & Baths*. April 1927
- standards for. (bib, il, diags, plans) [A. L. Kocher and R. L. Davison] *Architect. Rec.* Jan. 1929
- swimming bath; recent English examples of closed and open-air baths. *Architect*. March 1931
- swimming pool planned to serve 2,600 pupils. [C. L. Spain] *Nation's Schools*. March 1933
- swimming pool, Y.M.C.A., Jersey City, New Jersey, views and details. *Architect*. March 1928
- swimming pools—design and construction data. *J. Am. Assoc. Hyg. & Baths*. Sept. 1929
- treatise on. [Louis J. Day and C. W. Stedman, with the cooperation of Josam Manufacturing Company, Engineering and Research Departments] \$1 48p *Josam Mfg. Co.* 1937; also *Swim. Pool Data & Ref. Ann.* 6: 41p (Suppl. Sec.). 1938. Not in Index Pub. also as a series of eleven articles in *Beach & Pool* beginning Feb. 1938.
- underlying principles of. [William R. Shirley] *Swim. Pool Data & Ref. Ann.* 5:31-32. 1937
- Vevey-Corseaux plage in Switzerland designed by O. Zollinger. *Architect. Rev.* Jan. 1930
- W.P.A. pool building in Tennessee. [Burt Cullom] *Beach & Pool*. March 1937
- west bathhouse pool at Jones Beach, L. I.; view and plans. *Architect. Rec.* May 1935
- when you plan that pool. [J. D. Betelle] *Beach & Pool*. Dec. 1932
- woman's gymnasium for Kansas State College. [K. H. Hinchcliff] *Thesis. Kansas State Col.* 1934
- FOR COMPETITION, design and construction of an Olympic pool. (il) [Earl K. Collins] *Swim. Pool Data & Ref. Ann.* 3:29-32. 1935; also *Beach & Pool*. April-May 1935
- directions for the construction of pools correct for sports. [O. Spiegelberg] *Gesundh.-Ing.* 48:294-301. 1925
- German Olympia swimming course. *Swim. Times*. June 1936
- ideal pool dimensions for championships. [C. H. Brennan] *Notab. Swim. Pools.* 1:92. 1933
- modern swimming facilities in New South Wales, Australia: North Sydney Olympic pool. *Baths & Bath Engin.* Feb. 1938
- 1936 Olympic pool. [A. E. Grix] *Beach & Pool*. Sept. 1935
- North Sydney, Australia, Olympic swimming pool. *Swim. Pool Data & Ref. Ann.* 4:13-14. 1937
- Olympic pool, Berlin. [W. J. Howcroft] *Baths & Bath Engin.* July 1936
- Olympic swimming stadium. [C. P. L. Nicholls] *Beach & Pool*. May 1931

Pools and Bathing Places, Construction of*—Continued***COMPETITION—Continued**

—swimming pool dimensions for officially recognized competition based on regulations of A.A.U. Municipal News & Water Works. Aug. 1928

GLASS ENCLOSURES, glass swimming pool enclosures. [American-Moninger Greenhouse Manufacturing Corporation and Lord and Burnham Company] Municipal Ind. p666-7; 670; 772. 1931

—glass swimming pool enclosures. [Lord and Burnham Company] Municipal Ind. p594-5; 742-3. 1930

GLAZING. See also **Pools and Bathing Places, Construction of**, building materials for

—new glazing for indoor swimming baths. Baths & Bath Engin. Nov. 1936

GROUND-WATER CONTROL, control of ground water under swimming pool floors. [E. Copeland Snelgrove] Baths & Bath Engin. March 1937

HEATING. See **Pool Buildings and Water, Heating of**

HISTORY AND HISTORICAL MATERIAL. See also **History**

—architecture of Marcus Vitruvius Pollio. [Joseph Gwilt, tr] Lockwood & Co. 1874

—baths and washhouses: their history, and an account of the baths of the ancients. [Arthur Ashpitel and John Whichcord] London. 1853

—baths of the Romans, with the restorations of Palladio. [Charles Cameron] London. 1775

—plumbing-merits eighteen-hundred-year test; Roman baths at Bath, England. [A. D. Guion] Domest. Engin. Sept. 29, 1928

—restauration des thermes d'Antonin Caracalla à Rome (restoration of the warm baths of Antoninus Caracalla in Rome). [G. Abel Blouet] Paris. 1828

LEAKAGE, sealing-off leakage in swimming baths—some methods of treatment. Baths & Bath Engin. Jan. 1937

—water-proofing the swimming pool. Craftsman. Dec. 1912

Observation Windows. See **Observation Windows**

PLANS. See **Pools and Bathing Places, Construction of**, designs for

PLUMBING. See also **Pools and Bathing Places, Construction of**

—anti-vibration pipe coupling. (il) Baths & Bath Engin. May 1938

—encyclopedia of heating, plumbing and sanitation. (il. with over one thousand engravings) [American School of Correspondence] 4v Am. School Corresp. 1909

—fighting the "iron bug." Baths & Bath Engin. April 1938

—new water inlet for swimming baths. Baths & Bath Engin. Jan. 1937

—pipe salt water to seaside pool; Westchester Country Club pool. [F. W. Bolles] Domest. Engin. July 26, 1930

—plumbing-merits eighteen-hundred-year test; Roman baths at Bath, England. [A. D. Guion] Domest. Engin. Sept. 29, 1928

—plumbing plays important part in Olympic Games. Domest. Engin. July 1932

—salt water for the inland pool. [C. H. Potter] Beach & Pool. March 1931

—swimming pool popularity makes opportunity for plumbers; Palos Verdes estate salt water pool. [C. D. Walz] Domest. Engin. Nov. 29, 1930

—swimming pools: their construction, mechanical installation, water supply, heating the water, various types of installations adapted to different conditions. (il, charts) [John K. Allen] 1st ed. 50c Domest. Engin. Co. 1907; 2nd ed. [John K. Allen and A. G. King] 75c Domest. Engin. Co. 1915

REINFORCEMENT, how to reinforce pool walls. [Frank J. Crandell] Swim. Pool Data & Ref. Ann. 3:10-11. 1935

—swimming pool reinforcement (diag) Am. Home. Oct. 1937

REMODELING. See **Pools and Bathing Places, Construction of**, repair and remodeling

REPAIR AND REMODELING, before and after. [Roscoe Wright] Beach & Pool. Nov. 1937

—by the pneumatic pressure method. (il) [Earl K. Collins] Swim. Pool Data & Ref. Ann. 6:14-15. 1938; also Beach & Pool. April 1938

—converting a fresh-water pool into a salt-water pool. (il) [William T. Runcie] Swim. Pool Data & Ref. Ann. 5:50-52. 1937

—Fulham public baths and wash-houses: modernisation of borough council's establishment. Baths & Bath Engin. Nov. 1937

—how a 15-year-old pool was modernized. (il) Swim. Pool Data & Ref. Ann. 5:62-64. 1937

—how to rebuild beaches. [U.S. Works Progress Administration, Washington, D.C.] Beach & Pool. May 1938

—Leeds swimming facilities: reconstruction of Roundhay Park open-air bathing pool. Baths & Bath Engin. Nov. 1937

—Philadelphia improves city pools. Beach & Pool. July 1935

—Riley's 'ole swimming pool' made modern. [W. Bintz] Beach & Pool. Sept. 1930

—standards for. [American Public Health Association] Am. J. Pub. Health. Dec. 1926

—Whipps Cross bathing pool: improvements and additions to scheme. Baths & Bath Engin. Oct. 1937

RUBBER FOR RUNWAYS, rubber swimming baths surrounds. *Baths & Bath Engin.* April 1938

SPAS. See also Spas

—any climate you want; project for an artificial spa plan. *Pop. Sc.* March 1938

—city of Ripon spas baths: new swimming baths installation. *Baths & Bath Engin.* Sept. 1936

—health tanks at Cunningham Sanitarium. [A. Hanser] *Heat. & Ventil.* Jan. 1929

STANDARDS FOR. See also Regulations; Regulations, state

—standards for design, construction, equipment and operation of swimming pools and other public bathing places. [S. DeM. Gage, Harry F. Ferguson and others] *J. Am. Assoc. Hyg. & Baths.* April 1927

—standards for design, construction, equipment and repair of swimming pools and other public bathing places. [American Public Health Association] *Am. J. Pub. Health.* Dec. 1926

—standards for pool design, construction and operation. [S. DeM. Gage] *Beach & Pool.* Aug. 1927

STEEL FOR, arc-welded steel swimming tank. *Engin. News Rec.* Aug. 14, 1930

—new Union League Club swimming pool, an electric arc welded steel plate tank with concrete and tile lining. *Am. Architect.* March 20, 1926

—welded swimming pool tank in Chicago club building. *Iron Age.* Jan. 21, 1926; *also Elect. West.* Feb. 13, 1926; *also Engin. News.* March 4, 1926

TILE FOR. See also Pools and Bathing Places, Construction of

—tile and tile work. [H. B. Birtwistle] *Swim. Pool Data & Ref. Ann.* 4:63-65. 1936

UNITS, advantages of the triple unit pool. [Roeder J. Kinkel] *Swim. Pool Data & Ref. Ann.* 4:23-25. 1936

—double swimming pool. *Illus. World.* Aug. 1919

—separated basins for the teaching of swimming with free passage. [Kopf] *Gesundh.-Ing.* Jan. 31, 1925

WADING POOLS. See also Pools and Bathing Places, Construction of

—design and construction of. [A. J. Boase] *Beach & Pool.* Sept.-Nov. 1935

—for Boston. [S. S. Shephard] *Am. City.* Nov. 1935

—improved wading pool. [Harry A. Ackley] *Beach & Pool.* June 1936

—wading pool for Boston. *Recrea.* Feb. 1936

WATER PURIFICATION PLANTS. See also Water Purification, plants

—boilers and boiler fittings: British standard specifications. *Baths & Bath Engin.* Feb. 1938

—British standard specification for cast iron filter plates and frames. [British Engineering Standards Association] 37p *Lockwood.* 1925

—coating boiler tubes: a new device. *Baths & Bath Engin.* March 1938

—construction of a swimming bath water purification plant. [Cecil Mitchell] *Baths & Bath Engin.* Dec. 1937

—filters. [General Filtration Company] *Gen. Filtrat. Co.* 1917

—filters for natatoriums. [Norwood Engineering Company] *Free. Norwood Engin. Co.* 1937

—Helensburgh sea-water swimming bath: installation of purification plant. *Baths & Bath Engin.* Sept. 1937

—Highfields open-air swimming pool, Nottingham: filtration and heating plant installed and sun bathing deck erected. *Baths & Bath Engin.* Aug. 1936

—Manor Place baths, Southwark: description of new filtration and ozonisation plant installed for the first and second class pools. *Baths & Bath Engin.* Nov.-Dec. 1936

—minimum cost equipment for the purification of swimming pool waters. [D. D. McKinney] Thesis. Ohio State Univ. 1931

—Nine Elms baths, Battersea: new filtration plant installed. *Baths & Bath Engin.* June 1937

—pumping equipment, selection and importance. [E. S. Bishop] *Swim. Pool Data & Ref. Ann.* 3:37-38. 1935

—recirculating filter for swimming pools. *Am. City.* June 1925

—specifications and installation of a modern recirculating system. (diag) [M. J. Martin] *Swim. Pool Data & Ref. Ann.* 6:48; 72. 1938

—standard specifications for pressure water filters. *Am. City.* May 1922

—super-sanitary swimming pool installation. [E. Cunningham] *Domest. Engin.* 97:621-24. 1921

—trend of design for. [W. Donaldson] *Am. City.* Nov. 1925

—turnover filter. *Sc. Am. (Supp.).* Nov. 14, 1908

—Venti meter in the filtration plant. (diag) *Am. City.* May 1923

—very efficient type. [R. A. Anderson] *J. Roy. Army M. Corps.* March 1933

Pools and Bathing Places, Equipment for*

See also Diving, boards; Diving, towers and platforms; Pools and Bathing Places, Construction of; Regulations; Regulations, state

—[O. H. Wulff] Thesis Springfield Col. 1937

—Bethnal Green public baths; installation of bowling rinks. *Baths & Bath Engin.* Nov. 1936

—completely equipped municipal plunge, Beaumont, Texas. [F. L. Bertschler] *Am. City.* Feb. 1927

* See Appendix B. Sources for Equipment and Supplies.

Pools and Bathing Places, Equipment for
—Continued

- first aid supplies for swimming pools. [Jack Mellon] *Swim. Pool Data & Ref. Ann.* 3:27-28. 1935
- Highfields open-air swimming pool, Nottingham: filtration and heating plant installed and sun bathing deck erected. *Baths & Bath Engin.* Aug. 1936
- ideal swimming baths. (il, diags) [H. N. Ginns] *Municipal Engin.* Oct. 18, 1934
- in relation to the operation of swimming pools. (il) [R. F. Heath] *Canad. Pub. Health J.* April 1936
- in the White House swimming pool. [E. H. Brandt] *Heat & Ventil.* Sept. 1933; *also Domest. Engin.* Sept. 1933
- Jacksonville has a well-equipped new swimming pool. (il) [H. L. Covington, jr.] *Am. City.* Sept. 1929
- layout of accessory equipment in a modern swimming pool. [J. F. Jackson] *Engin. News.* Feb. 10, 1927
- make sure that swimming pool is properly equipped. *Domest. Engin.* Aug. 25, 1928
- of Pennsylvania's most modern pool,—North Park Pool, County of Allegheny. (il) [Karl B. Weber] *Swim. Pool Data & Ref. Ann.* 6:26-29. 1938
- of therapeutic pools. [C. L. Lowman] *J. Am. Med. Assoc.* March 22, 1930
- pedal cycle accommodation at swimming baths and bathing pools. *Baths & Bath Engin.* Sept. 1936
- public baths and bathing pools equipment: Wicksteed's diving stages, water chutes, etc. *Baths & Bath Engin.* Dec. 1936
- recent patents. Appears monthly in *Beach & Pool*
- sanitary electric dryer for patrons of swimming pools. *Am. City.* June 1926
- sundries. [V. K. Brown] *Parks & Recrea.* May 1932
- swimming pool equipment. [American Playgroud Device Company] *Municipal Ind.* p526-9. 1932; *also p452-3. 1933*
- swimming pool equipment. [American Playgroud Device Company, Chicago Hardware Foundry Company, Clow-National, Everwear Manufacturing Company, Wm. B. Scaife and Sons Company and A. G. Spalding and Brothers] *Municipal Ind.* p269; 504; 564-5; 571; 573; 673; 753-6; 758-9; 774; 789. 1931
- swimming pool equipment. [A. G. Spalding and Brothers, American Playgroud Device Company, Chicago Hardware Foundry Company, General Utilities Manufacturing Company, Everwear Manufacturing Company, Fred Medart Manufacturing Company, Page Fence Association,

- Play Equipment Company and Wm. B. Scaife and Sons Company] *Municipal Ind.* p520-1; 526; 530; 727-31; 744-5; 750; 758; 770. 1930
- swimming pools: construction and equipment. *Am. Architect.* May 5, 1927
- swimming pools: construction and equipment. (il) *Municipal Engin.* Oct. 27, 1932
- temporary expedient for pool. [C. A. Allen] *J. Am. Assoc. Hyg. & Baths.* 4:71-73. 1922
- CHEMICAL-CONTROL.** See Pools and Bathing Places, Construction of, water purification plants; Pools and Bathing Places, Equipment for; Water Purification, equipment for distributing chemicals; Water Purification, filtration and recirculation; Water Purification, plants
- FLOATS AND LANTERNS, floats.** [L. W. Sargent] *Am. Phys. Educ. Rev.* May 1925
- lanterns and floats. [Z. T. Egardner and J. H. Lackey] *South Park Comm.* 1934
- FOR CHILDREN, pool tent for little tots.** [Mrs. Paul S. Grant] *Better Homes & G.* Aug. 1935
- FOR GAMES AND STUNTS.** See Recreational Swimming, equipment
- HEATING.** See Pool Buildings and Water, Heating of
- LANTERNS.** See Pools and Bathing Places, Equipment for, floats and lanterns
- LAUNDRY.** See Laundry, equipment
- LIFE SAVING.** See Life Saving, equipment
- LOCKERS AND STORAGE, dressing accommodation for swimming baths: Milners' steel lockers.** *Baths & Bath Engin.* July 1936
- ideal clothes storage at swimming pools and baths. *Swim. Times.* May 1936
- storage of bathers' clothes: constructors' steel lockers. *Baths & Bath Engin.* May 1937
- SPECIFICATIONS FOR.** See also Pools and Bathing Places, Construction of
- specifications for the equipment of the Beloit, Wisc., municipal pool. (diag) [Edward P. Schinman] *Swim. Pool Data & Ref. Ann.* 6:65-66. 1938
- STANDARDS FOR.** See also Regulations; Regulations, state
- [American Public Health Association] *Am. J. Pub. Health.* Dec. 1926
- [S. DeM. Gage, Harry F. Ferguson and others] *J. Am. Assoc. Hyg. & Baths.* April 1927
- STATUS OF, in athletic, health, and physical education departments of 100 high schools in the U.S.** [Hiram Arthur Jones] *School Rev.* Jan. 1930
- STORAGE.** See Pools and Bathing Places, Equipment for, lockers and storage
- WATER SOFTENING.** See Water Softening, base exchange material and equipment for; Water Softening, mechanical equipment for

WAVE DEVICE, for any pool. [Harry A. Ackley] *Swim. Pool Data & Ref.* Ann. 3:33. 1935

Y.M.C.A. [A. E. Hansen] Architect. Forum. Aug. 1930

Pools and Bathing Places, Financial Aspects of
See also *Pools and Bathing Places, municipal*

- beach and playground developments will repay in health and pleasure many times their cost. [U.S. Works Progress Administration] *Beach & Pool*. July 1937
- can my town afford a swimming pool? *Playground*. Aug. 1924
- can my town afford a swimming pool: a revival of public swimming baths causes many cities to consider their installation; Lynchburg's (Va.) experience encouraging. [C. R. Wood] *Kansas Municip.* May 1924
- Coast Guard: summary of operation and finances for fiscal year 1937; *extract from annual report of the Secretary of the Treasury*. [U.S. Treasury Department] Pa. Free. 10p Gov. Printing Off. 1938
- every community of 5000 or more can afford a swimming pool. [C. R. Wood] *Am. City*. June 1924
- financing municipal recreation. [Randolph O. Huus] *Banta*
- fine swimming pool financed from city budget savings. [W. A. Layton] *Am. City*. Feb. 1926
- how a swimming pool can help finance a community chest. *Beach & Pool*. June 1931
- how McKeesport got its swimming pool. [F. D. Potter] *Am. City*. Oct. 1912
- how swimming pools are financed. [W. H. McPheeters] *Concrete*. July 1930; *also Beach & Pool*. May 1931
- King George's Jubilee trust: youth is calling. *Swim. Times*. May 1935
- New York City spends \$300,000 teaching efficient watermanship. [Marie W. Bishop] *School Manag.* June 1933
- public versus private capital. [Earl K. Collins] *Beach & Pool*. Aug. 1935

ADMISSION PRICES, at the poor man's paradise; \$8.10 for a swim. *Beach & Pool*. Aug. 1935

- charges and fees for community recreation, including sections on swimming pools and bathing beaches. [National Recreation Association] Pa. \$1 Cloth \$1.50 N.R.A.
- charges, fees, and admission prices. [Earl K. Collins] *Beach & Pool*. March, April and June 1936
- free public baths. [E. R. Pritchard] *World Today*. Oct. 1910

CONSTRUCTION AND OPERATION. See also *Pools and Bathing Places, Construction of*; *Pools and Bathing Places, Operation of*

- analysis of construction and operation costs of swimming pools, bathing beaches, wading pools in sixty American cities. [National Recreation Association] *Playground*. Aug. 1929
- construction costs and subsequent operating expenses. (il) [Earl K. Collins] *Swim. Pool Data & Ref.* Ann. 6:14-15. 1938; *also Beach & Pool*. April 1938
- cost, income of a country club pool. [Maurice Webster] *Swim. Pool Data & Ref.* Ann. 4:55-57. 1936
- cost of constructing and operating public recreation facilities. [National Recreation Association] 25c N.R.A. 1936
- cost of Pennsylvania's most modern pool,—North Park Pool, County of Allegheny. (il) [Karl B. Weber] *Swim. Pool Data & Ref.* Ann. 6:26-29. 1938
- economics of pool operation. (il) [Paul H. Huedepohl] *Municipal Sanit.* Aug. 1933
- economics of pool recirculating systems. (diag) [M. J. Martin] *Swim. Pool Data & Ref.* Ann. 6:48; 72. 1938
- facts and figures. (il, tables) [E. B. Power] *House Beaut.* June 1936
- how to figure cost of purchased vs. privately pumped water. [W. F. Schaphorst] *Swim. Pool Data & Ref.* Ann. 4:41. 1936
- humidification and its costs. [H. Alt] *Heat. & Ventil.* June 1927
- lowering the high cost of swimming. [T. D. Wheeler] *Heat. & Ventil.* May 1927
- minimum cost equipment for the purification of pool waters. [D. D. McKinney] Thesis. Ohio State Univ. 1931
- municipal bathing pool liability. [A. L. H. Street] *Am. City*. June 1936
- municipal pool at Wheaton, Illinois, pays profit to city treasury. *Concrete*. May 1932
- municipal pool without taxation, Sioux City, Iowa. [J. D. Adams] *Am. City*. Oct. 1925; *also Playground*. June 1926
- new pool movements in undeveloped localities can duplicate Parkersburg's achievement, if properly conducted. [Harry A. Ackley] *Beach & Pool*. Sept. 1937
- of outdoor swimming pools and bathing beaches. *Recrea.* Aug. 1929
- Phoenixville, Pennsylvania, builds a swimming pool. *Playground*. Nov. 1921
- proposed public baths, Leek. The urban council's 29,000 pound scheme. *Baths & Bath Engin.* Aug. 1936
- revenue collection and control at swimming baths and pools. *Swim. Times*. April 1936

Pools and Bathing Places, Financial Aspects of—Continued

- successful financial scheme; Aberdeen, Washington, natatorium-gymnasium. Am. School Board J. Aug. 1927
- swimming pool statistics. Municipal Ind. 3:204-14. 1926
- swimming pools at low cost. Play-ground. Sept. 1919
- water heating costs: brief notes on efficiencies, fuel, labour and maintenance costs. [B. Frisby] Baths & Bath Engin. Sept. 1937
- year's operation of a municipal pool. [J. R. McVey] Beach & Pool. March 1931

HEATING. See Pool Buildings and Water, Heating of, costs

IN HOLLAND AND PANAMA, how Holland finances pools. [J. A. C. Bierenbroadspot] Beach & Pool. Dec. 1932

- how Panama is financing and building its community pool. [L. S. Johnson] Am. City. March 1925

LEASE, details of a municipal pool lease. Beach & Pool. July 1935

OPERATION. See Pools and Bathing Places, Financial Aspects of, construction and operation

WATER SOFTENING. See Water Softening, costs

Pools and Bathing Places, Insurance for

- death by drowning; problem of accident insurance. [W. Peterssen] Med. Welt. May 7, 1938
- insurance protection for pools and beaches. [Hugh D. Combs] Beach & Pool. June-July 1936

Pools and Bathing Places, Lighting of

See also Pools and Bathing Places, Construction of; Pools and Bathing Places, Operation of

- [F. D. Crowther] Parks & Recrea. May-June 1930
- [A. J. Sweet] Tr. Illum. Engin. Soc. July 1927
- contributions of science to the lighting art. [M. Luckiesh] Sc. (new series). June 3, 1927
- Holophane scientific illumination for swimming baths. Baths & Bath Engin. Sept. 1936
- light up your pool. [G. F. Cahill] Beach & Pool. Dec. 1927
- lighting a swimming pool, Detroit. Pub. Works. April 1931
- lighting the municipal swimming pool in Chanute, Kansas. (il) [R. Cooper] Am. City. May 1934
- modern pool illumination. [F. L. Novak] Beach & Pool. Aug. 1929
- something new in pool illumination. [S. M. Byck] Beach & Pool. June 1929
- swimming pool lighting. Beach & Pool. Feb.-May 1929

FLOOD LIGHTS, new field for gas flood-lighting, open air baths. Am. Gas J. Aug. 15, 1933

INSTALLATION RULES. See also Pools and Bathing Places, Construction of

- rules covering installation of wires and electrical equipment. (il, tables) [Oregon Bureau of Labor Statistics and Inspector of Factories and Workshops] 198p 1932; 215p Oregon State Printing Dept. 1934
- NEON, swim in neon; bathing pool illuminated by neon tubing. Elect. West. May 1, 1930
- STANDARDS.** See Regulations; Regulations, state
- UNDERWATER.** [E. W. Beggs] Engin. News May 16, 1929; also Am. Architect. Oct. 1929
- “built-in” lighting equipment: Holophane design. (il) Baths & Bath Engin. Feb. 1938
- lighting up the ocean bottom. Pop. Mechan. Feb. 1933
- underwater floodlighting at swimming baths. Baths & Bath Engin. April 1938
- underwater lighting. Swim. Pool Data & Ref. Ann. 4:71. 1936
- under-water lighting for Olympic pool. (il) Am. City. Aug. 1932
- underwater lighting for swimming pools. Architect. Rec. Dec. 1930
- University of Southern California swimming pool sports combination lighting. Elect. West. March 1932
- value of, in outdoor pools. [Bengt Normal Bengtson] Nation's Health. Nov. 1926

Pools and Bathing Places, Operation of

See also Checking Systems; Legal Aspects; Pools and Bathing Places, Equipment for; Pools and Bathing Places, Financial Aspects of, construction and operation; Pools and Bathing Places, Sanitation of; Public Health; Publicity; Shower Baths; Suits and Towels

- [J. H. Dorroh] 25c Univ. New Mexico. 1934
- [R. F. Heath] Canad. Pub. Health J. March 1933
- [Jack J. Hinman, jr.] J. Am. Water Works Assoc. March 1917
- [Jack J. Hinman, jr.] Am. City. April 1918
- [H. J. Kuelling and W. E. Jeffrey] Municipal. May 1937
- [Alfred MacDonald] City Mgrs. Assoc. Mag. Nov. 1923
- [Frederick Josiah Spry] Thesis. Cornell Univ. 1929
- [T. M. Zimmerman] Beach & Pool. June, Aug. and Sept. 1931
- administration of pool standards in Detroit. [W. H. Cary, jr.] Am. J. Pub. Health. July 1930; also Beach & Pool. March 1931
- administration of swimming pools. [J. E. Raycroft] Playground. Feb. 1914; reprint 20c N.R.A.
- artificial swimming pools: operation and use. [Raymond Johns Faust] Thesis. Pennsylvania State Col. 1935

- aspects concerning the management of indoor swimming pools. [W. Werchavdt and O. Ulsamer] *Gesundh.-Ing.* 48:283-85. 1925
- bath-houses and beach management. [Gantner & Mattern Company] *Free. Gantner & Mattern* Issued irregularly. Last ed. appeared about 1932.
- bathing establishments. [Horace W. Peaslee] *Park Internat.* July 1920
- cleaner the swimmer, the cleaner the pool. (il) [W. W. Peter] *Municipal Sanit.* July 1932
- construction and equipment in relation to. (il) [R. F. Heath] *Canad. Pub. Health J.* April 1936
- design of pools in relation to. [Jack J. Hinman, jr.] *Municipal & County Engin.* Feb. 1924; *also Am. City.* April 1924; *also Playground.* Nov.-Dec. 1924
- factors in. [V. K. Brown] *Am. Land. Architect.* Sept. 1929
- further aspects concerning the management of indoor swimming pools. [W. Werchavdt and O. Ulsamer] *Gesundh.-Ing.* 49:485-88. 1926
- heralding the outdoor swimming season. *Beach & Pool.* March 1935
- indoor pool built and operated by ice company. [J. T. Bartlett] *Engin. & Contract.* June 25, 1924
- natatorium supervision. [W. W. Hastings] *Hyg. & Phys. Educ.* June 1909
- observations in several countries. [Marjorie Everson] *Beach & Pool.* March 1936
- of indoor swimming pools, Toronto, Canada. [R. F. Heath] *Canad. Engin.* April 20, 1926
- of outdoor pools. [Alfred MacDonald] *Parks & Recrea.* March-April 1924
- of outdoor pools. [Robert S. Neilson] *Thesis. State Col. Washington.* 1937
- of pools and beaches. [Harry O'Hare] *Swim. Pool Data & Ref. Ann.* 4:43-44. 1936
- of public swimming pools, Germany. [O. Schmidt] *Gesundh.-Ing.* Sept. 12, 1925
- of the world's largest indoor bathing establishment. Seven pools under one roof. (diag) [Earl K. Collins] *Swim. Pool Data & Ref. Ann.* 6:68-70. 1938
- playgrounds—their administration and operation. [George D. Butler] *§3 N.R.A.* 1937
- pointers in routine. [R. L. McCarthy] *Beach & Pool.* Nov. 1932
- policy. [K. B. Rowley] *J. Phys. Educ.* March-April 1936
- pool experience needed in Washington, D.C. [Earl K. Collins] *Beach & Pool.* Aug. 1935
- pool maintenance. [O. H. Wulff] *Thesis. Springfield Col.* 1937
- pool operators' problems. [Earl K. Collins] *Swim. Pool Data & Ref. Ann.* 4:30-32. 1936
- pools and bath houses. [E. C. L. Wagner] *Kansas Municip.* June 1923
- practical problems. [Fred H. Clapp] *Thesis. Univ. Southern California.* 1928
- pre-cleansing of persons using the pool. [Tom Lindley] *Baths & Bath Engin.* May 1938
- preparation of bathhouses: prepare your bathhouse for the 1937 season in such a manner that good-will and patron satisfaction will be increased. [Wm. H. Moseley] *Beach & Pool.* May 1937
- renovation in swimming pool control. (il) [W. D. Stovall, M. S. Nichols, and V. E. Vincent] *Am. J. Pub. Health.* March 1926
- sanitary swimming pools and their control. [L. T. Reser] *J. Am. Med. Assoc.* Dec. 2, 1916
- sanitation and supervision of swimming pools. *J. Indiana M. A.* July 1925
- step by step in pool operation. (il) [Edward P. Schinman] *Swim. Pool Data & Ref. Ann.* 5:32-36. 1937
- suggested methods. [A. M. Crane] *Beach & Pool.* Dec. 1937
- swimming baths and pools: essential requirements in construction, maintenance and administration. *Baths & Bath. Engin.* Sept.-Dec. 1936
- swimming pool discussions. *Beach & Pool.* Aug. 1936
- swimming pool legislation and its compliance by pool operators. [C. W. Klassen] *Beach & Pool.* Feb. 1938
- swimming pool statistics. *Municipal Ind.* 3:204-14. 1926
- treatise on. [Louis J. Day and C. W. Stedman, with the cooperation of Josam Manufacturing Company, Engineering and Research Departments] \$1.48p *Josam Mfg. Co.* 1937; *also Swim. Pool Data & Ref. Ann.* v6. (Suppl. Sec.) 41p 1938. Not in Index Pub. *also as series of eleven articles in Beach & Pool* beginning Feb. 1938.
- two questions for school swimming pool supervisors. [Jean Broadhurst] *Am. School & Univ.* p185-7. 1933-34
- ATTENDANCE. See also Publicity, increasing attendance
- holding your patrons. [Jantzen Swimming Association] *Swim. Pool Data & Ref. Ann.* 5:74. 1937
- patron control. [F. M. Narum] *Beach & Pool.* April 1935
- successful management of large attendance. [G. Bentley] *Beach & Pool.* Oct. 1927
- Sutro baths: how patronage was maintained during the depression. [Carl T. Nunan] *Beach & Pool.* Dec. 1934
- winning the confidence of the public by efficient pool management. [Julian M. Bamberger] *Municipal Sanit.* Aug. 1931

Pools and Bathing Places, Operation of—
Continued

BEACHES. See also Pools and Bathing Places, beaches and water fronts; Pools and Bathing Places, Operation of, combination beach and pool; Pools and Bathing Places, Sanitation of, beaches

- [New York State Department of Health] New York State Dept. Health. 1932
- [Thomas J. Parran] New York State Dept. Health. 1932. 1934
- city's right to its bathing beaches. Am. City. Nov. 1913
- public beach operation: tabulation of replies to a questionnaire sent out by George Hjelte. Recrea. Feb. 1928
- results of modernizing a bathing beach. [V. K. Brown] Beach & Pool. March-May 1935
- sanitary suggestions regarding the management of public bath beaches. [Harold A. Whittaker] Journal-Lancet. 38:349. 1918

CARE OF POOLS. See Pools, Artificial, Care of

COMBINATION BEACH AND POOL. See also Pools and Bathing Places, Operation of, beaches; Pools and Bathing Places, Sanitation of, beaches

- overcoming the problems of the combination beach and pool. [W. H. Young] Beach & Pool. March 1932

CONFERENCES ON, conference of swimming pool operators. Am. City. March 1926

- international conference on public baths. Surv. Dec. 21, 1912

NATIONAL ASSOCIATION OF BATH SUPERINTENDENTS. Annual conference, Scarborough, 1937 [C. N. Bond] Baths & Bath Engin. May 1937

CORROSION. See Pools and Bathing Places, Operation of, rust and corrosion

DISINFECTING BATHING PLACES. See Water Purification

EMERGENCIES IN, [A. M. Crane] Notab. Swim. Pools. 1:88-91. 1933

- what to do when emergencies arise during the operation of a swimming pool. [A. M. Crane] Beach & Pool. May 1937

ENFORCING LAWS. See also Regulations; Regulations, state

- plans for. [C. G. Gillespie] California State Dept. Pub. Health Bull. May 1917

FINANCIAL ASPECTS. See Pools and Bathing Places, Financial Aspects of, construction and operation

HEALTH DEPARTMENT SUPERVISION, advantages of health department control. Beach & Pool. Feb. 1932

- state supervision of pools. [M. H. Coblenz] Municipal Sanit. June 1932

—state-wide supervision: will it safeguard the pool and public? [A. L. Bavone] Beach & Pool. Feb. 1932

HEATING. See Pool Buildings and Water, Heating of

IN CAMPS, report of local Girl Scout camp committee on permanent camps. [Girl Scouts, Inc.] Free. Girl Scouts

—their modern administration. [Hazel K. Allen] \$1.75 Womans Press. 1930

IN SCHOOLS. See also Curricula, school —high school pools. [E. J. White] Beach & Pool. Aug.-Sept. 1932

—making effective use of the pool. [C. L. Spain] Am. School Board J. Aug. 1930

—swimming pool. [H. S. Curtis] J. Educ. Aug. 31, 1916

INSURANCE. See Pools and Bathing Places, Insurance for

LAUNDRY. See Laundry, operation

LEGISLATION REGARDING. See Legal Aspects; Regulations; Regulations, state

LIGHTING. See Pools and Bathing Places, Lighting of

LOAD CAPACITY. [W. A. Becker] Beach & Pool. May 1931

MUNICIPAL AND PUBLIC POOLS. See also Pools and Bathing Places, municipal

—bath expedients and experiences. [Frank Harrington Hines] J. Am. Assoc. Hyg. & Baths. 4:58-63. 1922

—Boston's experience with municipal baths. [J. A. Stewart] Am. J. Sociol. Nov. 1901

—city's right to its bathing beaches. Am. City. Nov. 1913

—Connecticut indoor pools. [C. L. Pool] Connecticut Health Bull. Feb. 19, 1926

—guidance in operation of municipal pools. [C. A. Holmquist and C. R. Cox] Swim. Pool Data & Ref. Ann. 4:35-37; 74. 1936

—indoor and outdoor pools in West Virginia, practical hints on operation. [J. B. Harrington] West Virginia State Dept. Health Quart. Bull. April 1927

—memorial pool, municipally operated. (il) [H. C. Pate] Am. City. July 1929

—municipality owned pools. [Charles F. Thomas] Beach & Pool. Nov. 1935

—nine years of swimming pool supervision in Hartford. [C. P. Botstford] Beach & Pool. June 1931

—organization of municipal pools. [A. E. Risedorph] Thesis. Springfield Col. 1923

—policy for municipal, civic and community pool operation. [Paul H. Hue-depohl] Swim. Pool Data & Ref. Ann. 3:36. 1935

—progressive pool: University City, Missouri. [James K. Montieth] Beach & Pool. April 1937

—public beach operation: tabulation of replies to a questionnaire sent out by George Hjelte. Recrea. Feb. 1928

—public pool. [C. E. Barry] Canad. Engin. Feb. 25, 1930

—rationalisation of baths planning and statistics: scientific management. [John A. Davenport] Baths & Bath Engin. Jan.-Feb. 1937

- reflections and experiences in conduct of public baths in borough of Manhattan. [Frank Harrington Hines] *J. Am. Assoc. Hyg. & Baths.* April 1924
- rules for maintaining public pools. [S. Cramarossa] *Gior. di batteriol. e immunol.* July 1935
- schedule of patronage, facilities and administration for a water front park. [Charles Downing Lay] *Am. City.* March 1926
- Wichita's municipal pools. [MacDonald] *Concrete Highways & Pub. Improve.* May 1928
- year's operation of a municipal pool. [J. R. McVey] *Beach & Pool.* March 1931
- PERSONNEL FOR, development of ability in your personnel is of prime importance. It is not enough that your employees know a thing; they must be able to transmit that knowledge. [John N. Zydeman] *Beach & Pool.* Aug. 1937
- staff organisation as applicable to baths maintenance. [Cecil Mitchell] *Baths & Bath Engin.* Feb. 1938
- RACE PROBLEMS, Boston's experience with municipal baths. [J. A. Stewart] *Am. J. Sociol.* Nov. 1901
- race problems in swimming pools. *Am. City.* Aug. 1932
- REGULATIONS REGARDING. See also Regulations; Regulations, state
- rules for sanitation and safety of swimming pools. [E. Jessup] *J. Am. Med. Assoc.* Dec. 11, 1926
- rules for swimming pools. *Am. School Board J.* Feb. 1927
- St. George pool regulations. *Swim. Pool Data & Ref. Ann.* 4:70. 1936
- REPAIR. See Pools and Bathing Places, Construction of, repair and remodeling
- RESPONSIBILITY FOR DROWNINGS, circumstances under which operators may be held liable for drownings in public pools. [L. T. Parker] *Municipal Sanit.* Aug. 1931
- RUST AND CORROSION, origin and prevention of rust and corrosion in iron water pipes and tanks. [K. Braungand] *Ztschr. f. d. ges. Krankenhausw.* March 29, 1932
- protection of iron and steel from corrosion. *Baths & Bath Engin.* Feb. 1938
- SANITATION. See Pools and Bathing Places, Sanitation of
- STANDARDS FOR. See Regulations; Regulations, state
- TRAFFIC CONTROL, controlling traffic in and around pool. *Beach & Pool.* June 1935
- eliminate complaints by installing traffic control facilities within the pool. St. George Pool has reduced complaints and minor injuries by 90 percent. [Earl K. Collins] *Beach & Pool.* May 1937
- traffic control within the pool. [Earl K. Collins] *Swim. Pool Data & Ref. Ann.* 5:30-31. 1937
- VENTILATION OF POOLS. See Pool Buildings, Ventilation of
- WADING POOLS. See also Pools and Bathing Places, Sanitation of, wading pools
- problem of. [O. E. Johnson] *J. Am. Assoc. Hyg. & Baths.* Sept. 1929
- WATER ANALYSIS. See Water Analysis
- WATER PURIFICATION. See Water Purification
- WATER SUPPLY. See also Water Purification, of supply
- safe water supply for your pool—how to obtain and maintain it. *Beach & Pool.* March 1931
- saving 230,000,000 gallons of water per year. [J. C. Winslow] *Beach & Pool.* Nov. 1927
- WINTER USE AND CARE. See also Pools, Artificial, Care of
- care of concrete swimming pools in winter. *Concrete.* Dec. 1930
- when winter comes: winter use of swimming pools. [W. F. Schaphorst] *Beach & Pool.* Sept. 1934
- Y.M.C.A., Boston, natatorium policy. [B. Dean Brink] *Phys. Train.* June 1915
- Pools and Bathing Places, Sanitation of
See also Associations, public baths; Pools, Artificial, Care of; Public Health; Shower Baths; Suits and Towels, disinfecting; Water Analysis; Water Purification
- bacteriology of swimming pools. [Mae B. Simas] *Thesis.* Univ. Nevada. 1932
- can swimming pools be kept sanitary? *Playground.* July 1916
- chemistry and sanitation of the swimming pool. [A. J. Danielson] *Phys. Train.* June 1925
- cyclopedia of. (il. with over 1000 engravings) [American School of Correspondence] 4v *Am. School Corresp.* 1909
- design of swimming pools as to sanitation. [Jack J. Hinman, jr.] *Municipal & County Engin.* Feb. 1924; also *Am. City.* April 1924; also *Playground.* Nov.-Dec. 1924
- development and present trend in. [F. R. Shaw] *J. Am. Assoc. Hyg. & Baths.* March 1931; also *Beach & Pool.* May 1931; also *Municipal Sanit.* June 1931
- disinfection of a pool. [Harold L. Parker] *Thesis.* Ohio State Univ. 1929
- elementary treatise on. [Louis J. Day and C. W. Stedman, with the cooperation of Josam Manufacturing Company, Engineering and Research Departments] \$1 48p *Josam Mfg. Co.* 1937; also *Swim. Pool Data & Ref. Ann.* 6:41p (Suppl. Sec.). 1938. Not in Index
Pub. also as series of eleven articles in *Beach & Pool* beginning Feb. 1938.

BIBLIOGRAPHY OF SWIMMING

Pools and Bathing Places, Sanitation of—
Continued

- essentials of. [W. A. Manheimer] Pub. Health Rep. no.299. 1919
- essentials of. [C. A. Scott] Beach & Pool. Feb. 1931; *reprint* Pa. \$1 Cloth \$1.50 Lightner. 1931. Rev. 1933
- filthy swimming pools must go! (il) [E. S. Tisdale] Am. City. April 1929
- fundamentals of. (tables) [M. H. Coblenz] Municipal Ind. p563-6. 1929
- fundamentals of. [F. C. Roberts, jr.] Swim. Pool Data & Ref. Ann. 6:56-58. 1938
- how to keep swimming pools sanitary. Domest. Engin. Dec. 15, 1928
- indoor and outdoor pool sanitation. [Bengt Normal Bengtson] Nation's Health. Feb. and April 1927; *also* Am. Phys. Educ. Rev. Nov. 1927
- is pool sanitation keeping pace with pool growth? [F. R. McCrum] Beach & Pool. July 1930; *reprint* Free. Mathieson Alkali Wks.
- keeping outdoor bathing places safe for swimmers. Am. City. April 1936
- keeping the pool safe and sanitary. [Mathieson Alkali Works, Inc.] Free. Mathieson Alkali Wks. Annual since 1936(?)
- keeping the pool safe and sanitary. [Wallace & Tiernan Company, Inc.] Wallace & Tiernan. Annual
- making pools safe. [J. G. Tew] J. Educ. April 1924
- modern pool: its safety and sanitation. [Hamilton Montgomery] Swim. Pool Data & Ref. Ann. 5:59-60. 1937
- modern pool sanitation. [C. G. Gillespie] Western City. May 1933
- modern swimmin' hole. [G. G. Lorentz] Health. May 1923
- new "swimmin' hole." [W. B. Brummitt] Beach & Pool. Nov. 1927
- notes on pool sanitation control. (tables) [W. S. Johnson] Am. J. Pub. Health. Sept. 1936
- old swimming hole and the new. (il) [J. M. Glace] Pennsylvania's Health. May 1929
- old swimming hole turns modern in the interest of sanitation. (il) [W. Bintz] Am. City. Oct. 1930
- Olympic athletes will swim in pure water; Los Angeles swimming stadium. [C. P. L. Nicholls] Am. City. July 1931
- playgrounds—their administration and operation. [George D. Butler] \$3 N.R.A. 1937
- practical pool sanitation control. [W. H. Cary, jr.] Nation's Health. May 1927
- practical sanitation of swimming pools. With especial reference to (a) the swimmer; (b) the water; (c) the tank. [Bengt Normal Bengtson] Thesis. Univ. Illinois. 1926
- recent developments in. (il) [C. A. Hyatt] Municipal Sanit. April 1934
- rules for. [E. Jessup] J. Am. Med. Assoc. Dec. 11, 1926
- safeguarding pool water. (il) [G. T. Luippald] Municipal Sanit. Aug. 1930
- sanitary code; swimming pools. Am. Phys. Educ. Rev. May 1928
- sanitary conditions of pools. [J. H. Crocker] Nation's Health. Jan. 1923
- sanitary considerations of swimming pools. (il) Nation's Health. Jan. 1923; *reprint* California State Dept. Pub. Health
- sanitary control of a public pool. (il, diag) [G. W. Simons] Am. J. Pub. Health. March 1921
- sanitary control of pools. [S. DeM. Gage] J. Boston Soc. Civil Engin. June 1918
- sanitary control of pools. [Massachusetts State Board of Health] Massachusetts State Board Health. 1913
- sanitary control of pools. [J. S. Shuey] Swim. Pool Data & Ref. Ann. 3:24-26. 1935
- sanitary, heating and ventilation engineering. (il) 4v Am. Tech. Soc. 1919
- sanitary operation of pools. Canad. Engin. Sept. 7, 1926
- sanitary pools and their control. [L. T. Reser] J. Am. Med. Assoc. Dec. 2, 1916
- sanitary suggestions regarding the location, construction and management of public bath beaches. [Harold A. Whittaker] Journal-Lancet. 38:349. 1918
- sanitary supervision of a group of outdoor pools. [L. I. Holdredge] Swim. Pool World. March 1932
- sanitary swimming pool. [V. Schmelz] Sc. Am. July 18, 1914
- sanitary swimming pool. [V. Schmelz] Sc. Am. July 1918
- sanitary swimming pool. [John S. Shaw] J. Health & Phys. Educ. March 1932
- sanitation. [M. J. Martin] Beach & Pool. Aug. 1936
- sanitation and supervision of swimming pools. J. Indiana M. A. July 1925
- sanitation first—business will follow. Beach & Pool. Aug. 1931
- sanitation in swimming pools with especial emphasis on medical and engineering aspects. [Portland City Club, Public Health Section] Portland City Club Bull. v8 no.29. 8p Portland City Club. April 27, 1928
- sanitation is the backbone of the swimming pool field the world over. [M. J. Martin] Beach & Pool. Sept.-Nov. 1936
- sanitation of pools. [J. W. M. Bunker and M. C. Whipple] Am. Phys. Educ. Rev. Feb. 1913
- sanitation of pools. [V. M. Ehlers] Municipal & County Engin. Sept. 1924
- sanitation of pools. [M. Gethman] Phys. Train. March 1926

- sanitation of pools. [Jack J. Hinman, jr.] Iowa Pub. Health Bull. Jan.-March 1936
- sanitation of pools. [A. A. Moll] Am. City. April 1913
- sanitation of pools. [Stanley Pinel] Domest. Engin. 109:21-23. 1924
- sanitation of pools. [W. R. Stokes] Diet. & Hyg. Gaz. Feb. 1914
- sanitation of pools. [Wallace & Tiernan Company, Inc.] Free. Wallace & Tiernan
- sanitation of pools. [C. Ziegler] Mind & Body. Oct. 1916; *reprint* 10c Turner. 1916
- sanitation of swimming pools. Am. Home. April 1912
- sanitation of swimming pools. J. Am. Med. Assoc. April 1916
- sanitation of swimming pools. J. Am. Med. Assoc. Oct. 11, 1919
- sanitation of swimming pools. Domest. Engin. Dec. 6, 1924
- sanitation of the pool. [L. D. Bushnell and F. S. Davenport] City Mgrs. Assoc. Mag. May 1924
- sanitation of the pool. [W. P. Gerhard] The Author
- sanitation of the private pool. (il) [R. H. Beaumont, jr.] Hygeia. June 1933
- shower baths and swimming pools in schools. [E. R. Coni] Semana méd. 26:145. Feb. 6, 1919
- supervision and sanitation of swimming pools. J. Indiana M. A. July 1925
- swim and be healthy, but sanitation of the pool is vital. (il) [H. P. Croft] New Jersey Municip. July 1931
- swimming and swimming pools. [G. J. Warren] J. Am. Assoc. Hyg. & Baths. Sept. 1929
- swimming holes, old and new! With rules for bathing. [E. H. Arnold] Hygeia. Aug. 1926
- swimming pool. [Jack J. Hinman, jr.] Am. Phys. Educ. Rev. Dec. 1920
- swimming pool and its sanitation. [Jack J. Hinman, jr.] Iowa Pub. Health Bull. Oct. 1925
- swimming pool control. [Charles H. Capen, jr. and J. W. Veale] Beach & Pool. Sept. 1933-Jan. 1934; *also* Swim. Pool Data & Ref. Ann. 2:45-47. 1934
- swimming pool control. [L. I. Holl dredge] Beach & Pool. Feb. 1934
- swimming pool sanitation. Am. City. May 1926
- swimming pool sanitation. South Dakota Pub. Health Bull. May 1926
- swimming pool sanitation. [M. Z. Bair] South. Med. J. Oct. 1923
- swimming pool sanitation. [Arthur M. Buswell] Am. City. May 1920
- swimming pool sanitation. [Ruth Canavan] J. Boston Soc. Civil Engin. 5:298-306. 1918
- swimming pool sanitation. [W. H. Cary, jr.] Ohio State M. J. Jan. 1930
- swimming pool sanitation. [Ole Forsberg] Minnesota Municip. May 1926
- swimming pool sanitation. [D. E. Kepner] Beach & Pool. Aug. 1929
- swimming pool sanitation. [H. D. Mackey] Am. Land. Architect. June 1930
- swimming pool sanitation. [S. L. Rose] Sc. Am. Oct. 14, 1916
- swimming pool sanitation. [T. W. Sheffield] Nation's Health. Oct. 1923
- swimming pool sanitation. [J. S. Shuey] Ohio State M. J. Sept. 1929
- swimming pool sanitation. [J. S. Shuey] J. Am. Assoc. Hyg. & Baths. 14:19-25. 1930
- swimming pool sanitation. [W. D. Stovall] Wisconsin M. J. Jan. 1927
- swimming pool sanitation: a review. [G. M. Fair] Internat. J. Pub. Health. Nov.-Dec. 1921
- swimming pool sanitation: preventive medicine and public health. [University of Iowa, Department of Hygiene and Preventive Medicine] Mimeo. 7p. Univ. Iowa
- swimming pool sanitation—public pools have important problems of sanitation to solve; no excuse for insanitary pools. [Ernest Boyce] Kansas Municip. Aug. 1926
- swimming pools. [Jack J. Hinman, jr.] Am. Municip. Aug. 1927
- swimming pools. [J. L. Mason] Diet. & Hyg. Gaz. Feb. 1914
- swimming pools and sanitation. Mind & Body. July 1927
- swimming pools require rigid sanitary treatment. [F. W. Frostic] Nation's Schools. Feb. 1934
- trend in pool sanitation. [F. R. Shaw] Canad. Engin. May 26, 1931
- underlying principles of. [William R. Shirley] Swim. Pool Data & Ref. Ann. 5:31-32. 1937
- water filtration from the sanitary standpoint. [R. G. Perkins] Cleveland M. J. Feb. 1912
- BATHHOUSE, sanitation of bath house. [G. S. Mumford] Nation's Health. May 1923
- sanitation of bath houses. (il) Nation's Health. May 1923
- sanitation of bath houses. [W. P. Gerhard] 60c Comstock. 1922
- sanitation of bath houses at public bathing beaches. [S. DeM. Gage and A. E. Griffin] Am. J. Pub. Health. Dec. 1921
- BEACHES, [A. M. Crane] Beach & Pool. July 1930
- application of pool sanitation to public bathing beach. (il) [W. P. Baker] J. Am. Med. Assoc. March 31, 1923
- investigation of bathing beaches by the Special Park Commission. [Chicago Special Park Commission] 25p Chicago City Council. 1913

BIBLIOGRAPHY OF SWIMMING

Pools and Bathing Places, Sanitation of—*Continued***BEACHES—Continued**

- open air bathing from hygienic point of view; survey of beaches. [E. Bondo] *Nord. hyg. tidskr.* 15:205-30. 1934
- sanitation of swimming pools and bathing places. *Municipal Ind.* p346-9. 1933
- sanitation of swimming pools, wading pools, and bathing beaches. [H. S. Cumming] *Am. City.* Sept. 1930
- trends in bathing beach and swimming pool sanitation. [F. R. Shaw] *Canad. Pub. Health J.* April 1932

EXAMINATION OF POOLS. See also Pools and Bathing Places, Sanitation of, surveys; Water Analysis, bacteriological; Water Pollution, bacterial

- [H. Ilzhofer] *J. Am. Water Works Assoc.* Oct. 1930
- at the Rensselaer Polytechnic Institute, Troy. [S. W. Mackey] *Am. Phys. Educ. Rev.* April-June 1915
- at the University of Minnesota. [Harold A. Whittaker] *J. Am. Med. Assoc.* June 22, 1918
- Finchley swimming pools, Great Britain. (tables) [P. T. Harrison] *J. Roy. San. Inst.* Feb. 1935
- in Stockholm and vicinity. [H. Huss] *Nord. hyg. tidskr.* p460-77. 1924
- of Munich public baths. [H. Ilzhofer] *Am. J. Pub. Health.* Nov. 1929
- of water of public pools. [H. Ilzhofer] *Gesundh.-Ing.* Aug. 11, 1928
- of waters and water supplies. [J. C. Thresh and J. F. Beale] 3rd ed. \$7.50 Blakiston. 1925
- sanitation in Baltimore. [M. H. Coblenz] *J. Am. Assoc. Hyg. & Baths.* 11:23-30. 1929

GERMS IN POOLS. See also Diseases; Water Pollution

- cotton guard rope in swimming pools as source of colon-aerogenes group. [H. W. Leaky] *J. Am. Water Works Assoc.* July 1932
- germs in swimming pools. *Sc.* (new series) (Supp.) May 20, 1927

HISTORY. See History; Pools and Bathing Places, history and historical material

HYGIENE OF POOLS. See also Pools and Bathing Places, Sanitation of

- hygiene in public pools. [R. Dujarric de la Rivière] *Bull. Acad. de méd.*, Paris. May 28, 1929
- hygiene of pool. [E. J. Tully] *Am. J. Pub. Health.* March 1912
- hygiene of pools. [J. W. M. Bunker] *Am. J. Pub. Health.* Nov. 1910
- hygiene of pools. [Y. Kermorgant] *Bull. Acad. de méd.*, Paris. April 6, 1937
- hygiene of pools. [Lucien Leroux] *Rev. d'hyg.* Oct. 1934
- hygiene of pools. [J. Quérangal des Essarts] *Arch. de méd. et pharm. nav.* Oct.-Dec. 1933

—hygiene of pools. [M. P. Ravenel] *Am. Phys. Educ. Rev.* Dec. 1912; also

J. Am. Med. Assoc. Oct. 19, 1913

—hygiene of pools at hydromineral stations. [R. Neveu] *Ann. d'hyg.* June 1932; also *Presse Therm. et Climat.* Sept. 15, 1932

—hygiene of public baths. [C. I. Goddard] *J. State Med.* Aug. 1929

—hygiene of public baths. [J. E. Laberge] *Union med. du Canada.* 47:171-78. 1918

—hygiene of public baths. [A. L. Thomson] *Canad. Engin.* Dec. 1928

—hygiene of public pools. [C. L. P. Trüb] *Veröffentl. a. d. Geb. d. Med.-Verwalt.* 29:522-611. 1929

—hygiene of swimming pools. (bib) *J. Am. Med. Assoc.* Nov. 16, 1912

—hygienic condition of public swimming baths. [A. M. M. Grierson] *J. Hyg.* April 1930

—hygienic problems of pools. [C. F. Cerutti] *Minerva med.* Feb. 17, 1934

—hygienic problems of pools. [C. R. Wegener] *Nord. hyg. tidskr.* 16:137-50. 1935

—pools of Mar del Plata from standpoint of hygiene. [R. Palazzo] *Semana méd.* June 17, 1926

—swimming pool risk. [W. L. Mallmann and W. H. Cary, jr.] *Sc. Am.* Sept. 1933

IN CAMPS. [A. E. Berry] *Am. J. Pub. Health.* June 1928

—[Boy Scouts of America] \$1 196p *Boy Scouts.* 1928

—[C. A. Holmquist and C. R. Cox] *Free. 63p New York State Dept. Health*

—[C. F. Kendall] *Am. J. Pub. Health.* July 1925

—camp directors' bulletin, including minimum standards for Camp Fire Girls' camps. [Camp Fire Girls, Inc.] *Mimeo. 95p Camp Fire Girls.* 1927. 1932

—camp sanitation is an important public health problem. [C. G. Cox] *Nation's Health.* July 1926

—hygiene and sanitation of summer camps. [George L. Meylan] *Am. Phys. Educ. Rev.* Dec. 1912

—problems of. [E. R. Carrick] *Pub. Health News.* April 1927

—sanitation of recreation camps and parks. [H. B. Bashore] 103p *Wiley*

—sanitation of summer camps and camp sanitary plans. *Pub. Health News.* June 1923

—summer camps in New Jersey. [C. K. Blanchard] *Pub. Health News.* April 1927

PROCEDURES FOR. See also Pools and Bathing Places, Sanitation of

—control in Trenton. [E. S. Rogers] *J. Am. Assoc. Hyg. & Baths.* March 1931

—how Detroit has improved the sanitary standards of its 43 swimming pools. (il) [W. H. Cary, jr.] *Am. City.* May 1929

- how Wilmington has raised the sanitary standards of its nine swimming pools. [Russell T. Desjardins] Am. City. Aug. 1929
- pool sanitation in Baltimore. [M. H. Coblenz] Pub. Works. Aug. 1928
- renovation in swimming pool control. (bib) [W. D. Stovall, M. S. Nichols and Vera M. Vincent] Am. J. Pub. Health. March 1926. *Review* Am. Phys. Educ. Rev. Sept. 1926
- sanitary aspects of the pool at Cornell University. [H. N. Ogden] Am. Phys. Educ. Rev. Jan. 1918
- sanitary control of pools as practiced in Wilmington (Del.) [Russell T. Desjardins] Municipal Sanit. May 1931
- sanitary control of pools in New York City. (tables) [J. E. Down] Municipal Sanit. April 1930
- sanitary control of pools, New Jersey. [J. L. Mahaffey] New Jersey Municip. April 1934
- sanitary control of Rhode Island swimming places. [C. L. Pool] Beach & Pool. Aug. 1931
- sanitation of swimming pools and bathing places in New Jersey. Am. City. April 1934
- PROTECTION FROM SEWAGE, screening sewage to protect bathing beaches. (il) [E. B. Besselievre] Am. City. June 1927
- REGULATIONS REGARDING. See Regulations; Regulations, state
- SALT-WATER POOLS, hygiene of sea and salt water pools. [L. Guiso] Ann. di med. nav. e colon. Sept.-Oct. 1937
- need for hygienic control of pools using sea water. [J. Quérangal des Essarts] Presse méd. June 17, 1933
- salt water pool. [L. I. Holdredge] Notab. Swim. Pools. 1:91-92. 1933
- STANDARDS FOR. See Regulations; Regulations, state
- STUDIES ON, bacteriological study of pool sanitation, a thesis in hygiene. [Arnold Kingsley Muzzey] Thesis. Univ. Pennsylvania. 1933
- report of committee on swimming pool sanitation. Minnesota Municip. Oct. 1924
- sanitary control of pools. [Max Levine] J. Infect. Dis. 18:no.3; *reprint* 14p Iowa State Col. 1916
- studies on pool sterilization. [G. D. Rose and L. Rowan] Thesis (under-graduate). Purdue Univ. 1938
- studies on the sanitation of pools. [W. A. Manheimer] J. Infect. Dis. July 1914
- study of the efficiency of certain methods for the sanitary control of pools. [H. W. Clark and S. DeM. Gage] Massachusetts State Board Health. 1914
- study of the sanitary condition of the pool at the Lincoln High School. [Grewe] Thesis. 18p Univ. Nebraska. 1918
- study of the sanitary conditions of indoor pools. [W. A. Manheimer] Am. Phys. Educ. Rev. Dec. 1912
- SURVEYS. See also Pools and Bathing Places, Sanitation of, examination of pools
- bath report of the city of Melbourne; extracts from 1935 report. [Town Hall and Bath Committee of the City of Melbourne] Beach & Pool. Nov. 1936
- Cape Cod health unit enlarges scope of work. [A. P. Goff] Nation's Health. July 1927
- history of swimming pools shows need of sanitation. Hygeia. Aug. 1933
- investigation of Lake Calhoun public baths, Minneapolis, May to November, 1917. [Harold A. Whittaker] J. Minnesota M.A. 38:98-105. 1918
- investigation of swimming pools at the University of Minnesota. [Harold A. Whittaker] J. Am. Med. Assoc. June 22, 1918
- pools and waterworks. [A. M. Crane] J. Am. Water Works Assoc. Aug. 1931
- report of investigation of bathing beaches by the Special Park Commission. [Chicago Special Park Commission] 25p Chicago City Council. 1913
- report of public baths and wash-houses in the United Kingdom. [Agnes Campbell] Carnegie United Kingdom Trust. 1918
- sanitary survey of pools in Berkeley and Oakland. [Frank Louis Kleberger] Thesis. Univ. California. Berkeley. 1916
The Physical Education department lists this as: Hygiene at the men's swimming pool.
- sanitation of pools—preliminary survey of local conditions. [C. E. Smith and H. M. Schoberg] Am. J. Pub. Health. June 1918
- survey of Connecticut's shore bathing waters. [Warren J. Scott] Am. J. Pub. Health. March 1932
- WADING POOLS. See also Pools and Bathing Places, Operation of, wading pools
- sanitary control of wading pools. Pub. Health Rep. Aug. 30, 1918
- Pope, R. D. Skiboarding, a thrilling sport. Pop. Mechan. Sept. 1931
- Popp, Hermann. Olympia, ein Vermächtnis der Griechen an die Nachwelt. 303p Volksv. der Bücherf., Wegweiser-Verl. 1935
- Poppe, J. Taschenbuch zur Lebenssicherung und Lebensrettung. Tübingen, Germany. 1827
- Portable Pools. See Pools and Bathing Places, portable
- Porter, H. F. J. Menace of the bathing pool. Mind & Body. Sept. 1912

BIBLIOGRAPHY OF SWIMMING

Porter, Henry Van Arsdale (comp). *Athletic anthology: a collection of poems and short prose articles.* 79p De Kalb, Ill. The Author. 1930

Porter, Marion A. Buffalo multiplies her play areas. (il) *Recrea.* Sept. 1935 Buffalo's new swimming pools. (il) *Am. City.* Sept. 1935

Great rooms; auditorium, gymnasium, pool, and cafeteria. Jr.-Sr. High School Clear. House. Dec. 1929

Portier, P. *Le rappel à la vie des noyés.* (il, diags) *Rev. Scient.* April 27, 1929

Portland Cement Association. Concrete swimming and wading pools and how to build them. 18p Portland Cement Assoc. 1916

Open-air concrete swimming baths. Portland Cement Assoc. 1926

Open-air swimming baths. Portland Cement Assoc. 1925

Specifications for concrete work. *Swim. Pool Data & Ref. Ann.* 3:55; 58; 102. 1935

Swimming pool for health and happiness. Free. 23p Portland Cement Assoc. 1936

Swimming pools. Free. 23p Portland Cement Assoc. 1930

Portland City Club, Public Health Section. Sanitation in swimming pools with especial emphasis on medical and engineering aspects. *Portland City Club Bull.* v8 no.29. 8p Portland City Club. April 27, 1928

Poscover, Max. Community recreation program for Preston County. Thesis. West Virginia Univ. 1937

Posters. See Charts

Posture. See *Corrective Swimming*, for posture improvement; *Values, postural*

Potel, committee member. See *Congrès International de Sauvetage*, Paris, 1889

Potter, A. M. Pageant for swimming pool. *J. Health & Phys. Educ.* March 1930

Potter, C. H. Salt water for the inland pool. *Beach & Pool.* March 1931

Potter, F. D. How McKeesport got its swimming pool. *Am. City.* Oct. 1912

Power, E. B. Facts and figures. (il, tables) *House Beaut.* June 1936

Powers, Susan R. Why do not women swim? A voice from many waters. 2d. 14p *Lad. Nat. Assoc. Diffus. Sanit. Knowledge.* 1859

Pratt, M. See Bacon, G. jt. auth.

Pratt, R. H. How to build a pool. *House & Garden.* Aug. 1923

Prescott, Samuel Cate and Winslow, Charles Edward A. Elements of water bacteriology, with special reference to sanitary water analysis. \$2.25 Wiley. 1924; 5th ed. rev. 219p Wiley; Chapman & Hall. 1931

Prestage, Hadley. Bathing in London. 38p Shoreditch. 1877

Pretka, Peter. Statistical study of the 'Learn to Swim Campaign' at Springfield Col. Springfield Col. 1933

Prevention of Drowning. See *Drowning, prevention of*

Prevention of Infection and Disease. See *Diseases, prevention*

Price, H. D. Tenth Olympic Games. *J. Health & Phys. Educ.* Nov. 1932

Priddle, Clyde. Stunts and games for the beginning swimmer. Springfield Col. 1932

Prince, R. and McCarthy, E. Acoustics of swimming baths. *Baths & Bath Engin.* Sept. 1936

Principles of Education, Cardinal. See *Curricula, cardinal principles of education*

Prindle, A. B. Sinus and athlete's itch. *J. Health & Phys. Educ.* Jan. 1932

Pringle, A. M. N. Bacteriological examination of bath waters. *Baths & Bath Engin.* March 1938

Purification of swimming bath water. *J. Roy. San. Inst.* July 1936

Pritchard, E. R. Free public baths. *World Today.* Oct. 1910

Pritchard, Earle A. Influence of swimming on body weight and temperature. Thesis. Springfield Col. 1914

Private Pools. See *Pools, private*

Procedures for Sanitation of Pools. See *Pools and Bathing Places, Sanitation of, procedures for*

Proctor, Richard A. Learning to swim. Knowledge. 1882(?)

Strength, how to get strong and keep strong with chapters on rowing and swimming, fat, age, and the waist. 178p Longmans. 1889

Professional Swimming Association. Season of 1887. A handbook of officers, origin and progress, captaincy races since 1881 and rules. Ramsden. 1887

Professionals and Amateurs

See also *Competition; Diving; Diving, as an industry; Meets; Officiating, rules for swimming, diving and water polo*

—give the pros. a chance; famous expert's views on a vital question. [Ross Eagle] *Swim. Times.* Aug. 1936

—I can't afford to lose! Amateur racket. (il) [F. Flash] *Delineator.* Aug. 1936

—professional swim August 16 at Great Lakes Exposition, \$1,000 first prize. [Ethelda M. Bleibrey] *Beach & Pool.* Aug. 1937

—professional swimmer who enjoys her work. [Lottie Mayer] *Am. Swimmer.* Feb. 1922

—professionals or amateurs? The southern counties executive warning. [B. W. Cummins] *Swim. Times.* Feb. 1935

HISTORICAL MATERIAL. See also History
 —amateur swimming at the present day. [Hunter J. Barron] Field. Dec. 22-29, 1883; *reprint* 12p. Swim. Assoc. Great Britain & Otter Swim. Club. 1884

Program Planning. See Curricula, program planning

Programs. See Curricula; Exhibitions; Recreational Swimming, programs

Progressions. See Teaching

Prolonged Artificial Respiration. See Resuscitation, prolonged

Prone-Pressure Method of Artificial Respiration. See Resuscitation, Schaefer or prone-pressure method

Protection from Air Raids and Poison Gas, Pools for. See Pools and Bathing Places, for air-raid and poison-gas protection

Proudfoot, Lucy S. Giant's garden; fairy water play: two water pageants. 50c Womans Press. 1924

Popularizing the pool. 50c Womans Press. 1924

Rescue and Sea sand: two water pantomimes. Pa. 50c 22p Womans Press. 1924

Water games for class, club, or camp. J. Health & Phys. Educ. June 1931

Water pageants and plays for swimming classes. 50c 15p Womans Press. 1924

Water play without words. Ath. Handb. p77-9. 1927

Psychology of Swimming Instruction. See Teaching, psychology

Public Baths
 See also Pools and Bathing Places, municipal
 —international conference on. Surv. Dec. 21, 1912

Public Baths Association of Philadelphia
 —Public Baths Association of Philadelphia. [G. L. Harrison] Nation's Health. June 1921

Public Confidence in Pools. See Publicity, gaining public interest

Public Health in Relation to Pools and Swimming
 See also Diseases; Pools and Bathing Places, Operation of, health department supervision; Pools and Bathing Places, Sanitation of; Regulations; Regulations, state; Water Pollution; Water Purification
 —are swimming pools a health menace? (il) [O. D. Munn] Sc. Am. Oct. 1931; *also* Hygeia. April 1932
 —are swimming pools safe for health? News Letter. April 1936
 —are the swimming pools in Paris a social danger? [M. Benoit] J.d. praticiens. April 12, 1930
 —artificial swimming pools and baths. [J. R. Riker and C. W. Sparemaker] Pub. Health News. 9:300-44. 1924
 —bacterial dangers. [F. Bordas and R. Neveu] Compt. rend. Acad. d. sc. Sept. 10. 1928
 —bathing dangers. (il) [Tomes] Lit. Dig. Aug. 9, 1930
 —bathing pool as disseminator of disease. Diet. & Hyg. Gaz. Dec. 1912
 —baths and bathers. [W. Hutchinson] Cosmopol. Aug. 1908
 —camp sanitation is an important public health problem. [C. G. Cox] Nation's Health. July 1926
 —can a public pool be safe? (il, plan) [C. A. Hechimer] Municipal Sanit. March 1930
 —don't bathe in pools. [Earl K. Collins] Beach & Pool. Feb. 1934
 —effect of oil pollution of coast and other waters on public health. [F. W. Lane, A. D. Bauer, H. F. Fisher and P. N. Harding] Pub. Health Rep. July 11, 1924
 —epidemics and their relation to pools. [J. H. Cook] Beach & Pool. Feb. 1931
 —few more facts on swimming pools. (il) Playground. June 1930
 —hazardous summer days. (il, tables) [C. Billings] Hygeia. July 1934
 —health aspects of pools for children. [W. J. McCormick] Swim. Pool Data & Ref. Ann. 4:66-67. 1936
 —how public baths help to make good citizens. (il) [E. B. Mero] Am. City. Oct. 1909
 —hygiene of swimming. [Jack J. Hinman, jr.] J. Am. Med. Assoc. Sept. 1925
 —is the swimming pool a source of infection? [L. A. Schwan] Phys. Train. Feb. 1927
 —joys and dangers of swimming pools. [J. W. Robinson] Health. June 1923
 —making the swimming pools safe; clean bodies, clean suits, clean water and clean tanks are all necessary to curb bacterial infection. [M. Morrison] Forecast. July 1927
 —menace of the bathing pool. [H. F. J. Porter] Mind & Body. Sept. 1912
 —midsummer sanity. (il) [V. G. Heiser] Collier's. June 20, 1936
 —observations on the hygienic condition of public swimming baths. [A. M. Grierson] J. Hyg. April 1930
 —obvious need for clean pools. (il) [C. V. Craster] Am. J. Pub. Health. Nov. 1919
 —old swimmin' hole as a danger spot. [Ohio Health News] Lit. Dig. Sept. 4, 1926
 —pathology of swimming. [B. Mark Nobis] Camping. Jan. 1935
 —pool sanitation, a public health problem. [H. P. Croft] Beach & Pool. Aug. 1927
 —public bath system of Brooklyn. [W. H. Hale] Sc. (new series). Oct. 26, 1906
 —public baths. [M. R. Maltbie] Municipal Aff. Dec. 1898

BIBLIOGRAPHY OF SWIMMING

Public Health in Relation to Pools and Swimming—Continued

- public baths and washhouses: annual report, 1935-36. [Ministry of Health] Baths & Bath Engin. Nov. 1936
- Public Baths Association of Philadelphia. [G. L. Harrison] Nation's Health. June 1921
- public baths in Europe. 10c 1897; 5c Gov. Printing Off. 1901
- public baths in relation to health and disease. [R. M. Galloway] J. Roy. San. Inst. July 1934
- public baths in the United States. [G. W. W. Hanger] Pa. \$1 Gov. Printing Off. Sept. 1904
- public baths of Jersey City. [H. A. Kelly] J. Am. Assoc. Hyg. & Baths. April 1924
- public health aspects of warm water bathing in Denmark. [H. Schmedes] Nord. hyg. tidskr. 15:185-89. 1934
- public health laboratory as aid in securing pure water. [A. W. Ecklung] Journal-Lancet. Jan. 15, 1931
- question of sufficient protection during swimming in Italy. [F. Domenici] Arch. di antropol. crim. July-Aug. 1937
- ringworm funguses with reference to public health problems. [Lee Bonar and Alice D. Dreyer] Am. J. Pub. Health. Sept. 1932
- safeguarding health of bathers in swimming pools. [Jack J. Hinman, jr.] Red Cross Cou. June 1, 1925
- sanitary aspects of swimming. [L. H. Van Buskirk] J. Ohio State Dept. Health. June 1917
- scares about swimming baths, discussing epidemics alleged to be transmitted by public swimming baths. [A. E. Thomas] Swim. Times. May 1937
- skin infections and public bathing places. [L. W. Shaffer] J. Am. Assoc. Hyg. & Baths. April 1932
- swimming pool and disease. [J. Wallen] Iowa Pub. Health Bull. Oct. 1925
- swimming pool sanitation, a public health problem. [H. P. Croft] J. Am. Assoc. Hyg. & Baths. April 1927
- swimming pool sanitation: preventive medicine and public health. [University of Iowa, Department of Hygiene and Preventive Medicine] Mimeo. 7p Univ. Iowa
- swimming pools and infection. [W. H. Seemann] New Orleans M. & S. J. July 1923
- swimming pools and public health. [R. Neveu] Ann. d'hyg. Nov. 1934
- swimming pools and sanitation: discussion of public duty to make pools sanitary, also statements of Board of Health requirements. Mind & Body. July 1927
- swimming pools in relation to public health. [F. Bordas] Ann. d'hyg. Dec. 1929
- to swim or not to swim. [Louis Olsen] California State Dept. Pub. Health Bull. Nov. 16-23, 1935
- Vinson-Barkley bill. Am. J. Pub. Health. Jan. 1938

Public Interest in Pools and Swimming. See Publicity, gaining public interest; Recreational Swimming, leisure use

Publicity

- See also Charts; Pools and Bathing Places, Sanitation of
- model pool draws crowds at the A.P.A. show in Milwaukee. Beach & Pool. Dec. 1935
- popularizing the pool. [Lucy S. Proudfoot] 50c Womans Press. 1924
- popularizing the pool. [L. A. Schwan] Assoc. Men. Oct. 1920
- sanitation first—business will follow. Beach & Pool. Aug. 1931
- selling swimming. [Paul H. Huedepohl] Beach & Pool. Jan. 1936
- selling the idea of swimming. [Robert L. Welch] Beach & Pool. May 1937
- selling water softening to the public. [C. A. Smith] Am. City. April 1936
- swimming pools an opportunity in your neighborhood. Concrete. April and Aug. 1930
- swimming popularity: why it is increasing and how to maintain it. [S. Pincus] Beach & Pool. Jan. 1932
- what makes a pool successful? [C. A. Hyatt] Beach & Pool. May 1929

ADVERTISING, defend your pool against scare-head advertising. [W. J. McCormick] Beach & Pool. Aug. 1937

- how to get best results in pools. [A. M. Crane] Beach & Pool. Jan. 1929
- how to publicize your equipment. [Earl K. Collins] Beach & Pool. Sept. 1937
- how to sell your pool to the public. [E. S. Bishop] Beach & Pool. May 1937
- printed matter used in promoting a girls' winter carnival, Baltimore. [W. Burdick] Am. Phys. Educ. Rev. Nov. 1927
- scare-head advertising—need it hurt your pool? No! [Irwin Steig] Beach & Pool. Sept. 1937

GAINING PUBLIC INTEREST, are you doing your part to increase public interest in swimming? [S. C. Cheever] Beach & Pool. March 1932

- how Wilmington builds swimming consciousness. [Walter C. Kadel] Beach & Pool. Aug. 1937
- leadership is essential. [Paul H. Huedepohl] Beach & Pool. Nov. 1936
- popularization of a public bath-house. [F. E. Wing] Charities. April 29, 1905

—public interest and confidence—how to build them. [Samuel L. Friedman] Beach & Pool. April 1932

—winning the confidence of the public by efficient pool management. [Julian M. Bamberger] Municipal Sanit. Aug. 1931

INCREASING ATTENDANCE. See also Pools and Bathing Places, Operation of, attendance

—suggestions for. [S. K. Nason] Play-ground. June 1921

THROUGH MEETS, championship performances are publicity and good-will builders for aquatic centers everywhere. [Frank W. Blankley] Beach & Pool. Nov. 1937

—continuous competition increases interest. [Elbridge Colby] Am. Swimmer. Oct. 1923

THROUGH PAGEANTS AND PROGRAMS, building business with water pageants. [Nathan H. Kaufman] Swim. Pool Data & Ref. Ann. 6:59. 1938

—suggestions for aquatic programs: publicity for commercial pools. [Nathan H. Kaufman] Swim. Pool Data & Ref. Ann. 6:29-30. 1938

Pulgher, F. Sulla disinfezione dell'acqua potabile col cloro gassoso. Igiene mod. Aug.-Sept. 1927

Pulmotor for Resuscitation. See Resuscitation, mechanical devices for

Pulvemacher, W. D. See Bancroft, J. H. jt. auth.

Pulvertaft, R. J. See Hicks, J. A. B. jt. auth.

Purdy, W. C. See Butterfield, C. T. jt. auth.

Purification of Water. See Water Purification

Purity of Water, Index of. See Water Analysis, interpretation of findings

Purjesz, B. See Csinády, J. jt. auth.

Purkart, Hauptmann. Vorschriften für der Schwimmunterricht. Munich, Germany. 1827

Pursell, Ruth and Strassler, Margaret. Kingdom of isles. 30c 8p Womans Press

Push, Peter. How to win at Wembley. Swim. Times. Aug. 1934

Putman, E. D. See Osborne, E. D. jt. auth.

Putzke, Gust. Crawl-schwimmen. (Miniaturl-Bibl. f. Sport u. Spiel 79/80). Koehler & Volckmar. 1930

—and Wiesel, F. Das Wasserspringen. (Miniaturl-Bibl. f. Sport u. Spiel 76/77). Koehler & Volckmar. 1925

Pyrer, R. W. See Walker, W. F. jt. auth.

Q

Qualifications for Life Savers. See Life Saving, qualifications

Quérangel des Essarts, J. Need for hygienic control of pools using sea water. Presse méd. June 17, 1933

Les piscines à eau de mer. Arch. de méd. et pharm. nav. Oct.-Dec. 1933

Quick, J. (printed for). New and complete art of swimming with full necessary directions. 6d. 26p Newman. 1815(?)

R

Rabbeno, A. Sull'azione farmacologica dell'acqua di mare. Boll. d. Soc. ital. di biol. sper. May 1928

“**Rabbit.**” Japanese and their methods. Swim. Times. Oct. 1936

Lifting the elbow. Swim. Times. April 1936

Mechanics of swimming. Swim. Times. Aug. 1934

Standardisation versus individualism. Swim. Times. Dec. 1936

Race, Joseph. Chlorination of water. (il) \$1.50 158p Wiley. 1918

Treatment of water with chlorine. 22p The Author. 1912

Race Problems in Pools. See Operation, race problems

Races. See Meets

Racing Starts and Turns. See Starts

Raghavachari, T. H. S. and Iyer, P. V. S. Comparative study of certain selective media used in water analysis together with review of literature on subject. Indian J. M. Research. Jan. 1936

Raju, V. G. Algal growths in tank waters and effect on them of removal of dissolved bicarbonates of water by addition of sulphuric acid. Indian J. M. Research. April 1924

Rameev, R. S. Conjunctivitis from bathing. Sovet. vestnik oftal. 7:471-73. 1935

Raney, Dallas P. Study of swimming efficiency. Thesis. Univ. Iowa. 1932

Rappel, Gust. Das Kraulbüchlein. Ein prakt. Leitfaden f. Anfänger, Sportschwimmer und Trainer. Koehler & Volckmar. 1934

Rapport, D. L. See Canzanelli, A. jt. auth.

—See Cotton, T. F. jt. auth.

Rathbone, Josephine L. Corrective physical education. \$2.50 292p Saunders. 1934

Water activities for the muscularly handicapped. Aquat. p40-2. 1931-32

Rausse, J. H. (pseud). See Francke, Heinrich F.

Rautmann, H. Ueber Träning und Ueberträning. München. med. Wchnschr. July 24, 1936

BIBLIOGRAPHY OF SWIMMING

Ravenel, M. P. Hygiene of swimming pools. Am. Phys. Educ. Rev. Dec. 1912; also J. Am. Med. Assoc. Oct. 19, 1913

Ravina, A. and Lyons, S. La mort subite au cours des bains froids. Presse méd. Dec. 6, 1933

Rawls, Katherine

- girl of the month, K. Rawls. (il) Good Housekeep. April 1938
- Katherine Rawls invites Japanese to Third Annual Aquatic Forum, Fort Lauderdale, Fla. [August Burghard] Beach & Pool. Aug. 1937

Raycroft, J. E. Construction and administration of swimming pools. Playground. Feb. 1914. *Reprint* 20c N.R.A.

Raymond, Karl B. Bathing beaches in Minneapolis. Playground. Aug. 1924

Raymond, V. Manuel des baigneurs précédé de l'histoire des bains, suivi d'un traité de la natation. 148p 1840; 158p Desloges. 1841

Rea, M. H. See Gilman, R. L. jt. auth.

Read, H. K. Sanitary regulations of pools in schools. J. Am. Assoc. Hyg. & Baths. 14:17-19. May 1930

Ready, Marie M. Physical education in American colleges and universities. 10c 51p U.S. Dept. Interior. 1927. *Abstract* Am. Phys. Educ. Rev. Dec. 1927

Ready, Oliver G. Life and sport in China. 2nd ed. 238p Chapman & Hall. 1904

Recirculation of Pool Water. See Water Purification, filtration and recirculation; Water Purification, plants

Reck, Franklin M. Get up in the air: an interview with Dick Degener, National Intercollegiate and A.A.U. diving champion. Am. Boy. Aug. 1934

Go your own pace: an interview with Clarence Pinkston. Am. Boy. Aug. 1933

High school America—a challenge! Here's the crawl stroke that made Japan Olympic swimming champion: an interview with Clarence Pinkston. Am. Boy. March 1933

Learn the fancy dives. *Chapter* (p286-93) from Play the Game, the Book of Sport. Ed. by Mitchell V. Charnley. 344p Jr. Lit. Guild. 1931

Record Cards for Students. See Tests, record cards

Records

- See also Champions; Diving; Meets; Olympics; Speed Swimming
- all sports record book. [Frank A. Menke, ed] \$2 All Sports Rec. Bk. Annual since 1930
- athletic almanac, containing descriptions of Olympic trials and events, of championship meets and of world and Olympic records. 25c Am. Sports Pub. Founded by James E. Sullivan. Annual since 1893
- best American swimming performances of 1935. [Robert J. H. Kiphuth] Beach & Pool. Nov. 1935
- Bill Unmack's 1916 sports almanac and records book, specializing in professional, amateur, college and school sports records of the Pacific Coast. Also giving world's and American marks. [William Unmack, comp] San Francisco, Calif. The Author. 1916
- blue book of sports; sport characters—past and present; comprising: photographs, biographies, editorials, stories and records of internationally prominent events, clubs, colleges, athletic teams, and individuals. 421p Sanders. 1931
- Harvard shatters a 13-year old Yale tradition. (il) News Wk. March 20, 1937
- Helene Madison's enduring record. All Sports. Nov. 1936
- Jack Kasley cracks three world marks. Swim. Times. May 1936
- men swimming; new records bibliographical table. [A. E. Kennelly] Am. Acad. Arts & Sc., Proc. Aug. 1926
- national Y.M.C.A. swimming records. Phys. Train. April 1926
- New Zealand swimming annual. [New Zealand Amateur Swimming Association] New Zealand A.S.A. Annual since 1891
- '110' swim mark shattered by Miss Bridges. Beach & Pool. July 1935
- records beware! You're fragile stuff to Helene. (il) [Marshall Hunt] Lit. Dig. Aug. 15, 1931
- sixteen records broken in South American swims. [L. de B. Handley] Swim. Times. June 1935
- swimming almanack. [Metropolitan Swimming Association] London. 1885
- swimming records at recognized high school distances. Scholastic C. Feb. 1937
- world's champions run to types. [Robert Boardman] J. Health & Phys. Educ. May 1933
- world's records broken by swimmers. Swim. Times. Oct. 1936

Recovering Cadavers. See Drowning, recovering cadavers

Recreation Equipment Company. Official score card for championship diving. Card. Free. Recrea. Equip. Co.

Recreational Swimming

- See also Exhibitions; Teaching
- [T. K. Cureton, jr.] Mimeo. \$1.50 55p Springfield, Mass. The Author. 1931
- [H. Norman Engelsen] Beach & Pool. July 1932
- [Nathan H. Kaufman] Beach & Pool. Nov. 1936
- health and recreation for city children. [Bertha H. Smith] Craftsman. Sept 1905

- manual of water activities for. [Ethel Gentry Blackman] Thesis. Peabody Col. 1931
- recreational athletics. [National Recreation Association] Water Sports, Chapter VI. \$1 N.R.A. 1937
- swim all-the-year-round. [Jack Lavery] Swim. Times. Feb. 1936
- swimming, the ever popular sport. (il) Recrea. June 1932
- swimming: the new great American sport. Fortune. June 1934
- vogue of swimming. [John Allen Krout] Annals of American Sport (The Pageant of America, v15). p215 Yale Univ. Press. 1929
- water lovers. Sat. Rev. Lit. Jan. 4, 1930
- AQUAPLANING, popular addition to the camp aquatic program. [W. E. Longfellow] Camping. May 1936
- COMIC DIVES AND STUNTS. See Recreational Swimming, games and stunts; Recreational Swimming, stunts
- EQUIPMENT. See also Pools and Bathing Places, Equipment for
- air raft in water sports. [C. P. Parcher] Beach & Pool. June 1931
- buoyant hollow aquaplane costs little to build. (il, diagrs) [B. G. Hatch] Pop. Sc. Aug. 1936
- feathercraft gives new sport to swimmers. Pop. Mechan. Aug. 1934
- how to make poles, slings, and chump's rafts for bathers. [D. Beard] Outing. Aug. 1905
- jockeying the waves on easily made water skis. [M. C. Walling] Pop. Sc. July 1932
- old merry-go-round enters a new field. [P. Dennos] Beach & Pool. Feb. 1931
- scooter provides thrills at beach. [R. L. Ward] Pop. Mechan. July 1930
- water toys. [L. Beard] Delineator. June 1905
- FACILITIES AND LEADERSHIP. See also Pools and Bathing Places
- all-year-round swimmin' hole. [H. C. McClure] Am. City. June 1925
- Buffalo multiplies her play areas. (il) [Marion A. Porter] Recrea. Sept. 1935
- clean swimming pool and a large ball field for every boy and girl. [W. S. Franklin] School & Soc. Nov. 1917
- community recreation leadership and facilities in 980 cities. Recrea. June 1931
- facilities for swimming and cleanliness. Baths & Bath Engin. Oct. 1936
- fifteen thousand pools in United States. Am. Swimmer. Feb. 1923
- high school leadership in community swim program. [Howard T. Ploessl] Swim. Pool Data & Ref. Ann. 5:64-65. 1937
- increasing America's recreation facilities. [U.S. Works Progress Administration, Information Service] Recre. Dec. 1936
- is the recreational use of impounding reservoirs permissible? [H. Rosenthal] Am. City. Nov. 1928
- new swimming pool and playground for Belmont, Massachusetts. Am. City. Feb. 1912
- old swimming hole [W. P. Eaton] Outing. Aug. 1913
- Philadelphia recreation centers. [S. L. Rose] Am. City. July 1922
- play areas. [Earl K. Collins] Beach & Pool. Sept. 1935
- proposed recreational project, Palm Springs, California (il, plan) Architect. Rec. Aug. 1936
- swimming on the border. [W. E. Longfellow] Beach & Pool. Oct. 1931
- GAMES AND STUNTS. See also Diving, double; Recreational Swimming, games for beginners; Recreational Swimming, games for girls; Recreational Swimming, stunts; Recreational Swimming, stunts chart
- [H. A. Bickel] Beach & Pool. Jan.-March 1936
- [Nathan H. Kaufman] Mimeo. 25c 12p Pittsburgh, Pa., Allegheny County Parks. The Author. 1937
- adapting games for water play. [National Recreation Association] Mimeo. 3p N.R.A. July 1934
- aquatic games. [John Allen Krout] Annals of American Sport (The Pageant of America, v15). p218. Yale Univ. Press. 1929
- double waterball. [Nathan H. Kaufman] Beach & Pool. Sept. 1932
- for the swimming pool. [E. J. Fritz] Phys. Train. Nov. 1919
- games and water sports. [National Recreation Association] N.R.A.
- new splashes in summer sports. [A. M. Rud] Illus. World. Aug. 1916
- playing in the water. [Floyd R. Eastwood] Scholastic C. Jan. 1933; also Recrea. July 1933
- prelo. [Marjorie M. Mayer] Water Sports (Supp). p23-4. 1934
- résumé of water games. [Nathan H. Kaufman] Mimeo. Free. 1p Pittsburgh, Pa., Allegheny County Parks. The Author. 1933
- splash! [G. H. Corsan] St. Nichol. Aug. 1922
- swimming and water sports. [Mary J. Breen, for National Recreation Association and National Board, Y.W.C.A.] Chapter (p93-99) from Partners in Play. Pa. 75c 130p N.R.A. 1934
- swimming pool games. [Sid G. Hedges] St. Nichol. Aug. 1933
- swimming pool games. [Nichols] Am. Land. Architect. July 1930

BIBLIOGRAPHY OF SWIMMING

Recreational Swimming—Continued**GAMES AND STUNTS—Continued**

- swimming spell-down at Camp Bonnie Brae. *Am. Swimmer*. Oct. 1922
- syllabus of tag, group and swimming games. [H. A. Bickel, comp.] 50c Coatesville Y.M.C.A. 1932
- two hundred games that teach. [Laura Rountree Smith] \$1 Beckley-Cardy. 1923
- water ball. [Earl W. Douglas] Beach & Pool. May 1931
- water baseball. [A. B. Wegener] Phys. Train. Nov. 1913
- water baseball as an intramural sport. [J. C. Clarke] *J. Health & Phys. Educ.* March 1936
- water basketball. [E. J. Manley] *Ath. J.* Jan. 1924
- water basketball. [L. T. Reser] *Mind & Body*. Oct. 1916
- water basketball. [T. G. Whitaker] *Mind & Body*. March 1914
- water games. [G. B. Affleck] *Free. A.R.C.* 1926
- water games. [Vivian Eubank] *Recrea.* Aug. 1936
- water games. [Lillian Robbins] *Camps & Camping*. p92-6. 1931
- water games are valuable to pep up swimmers. *Beach & Pool*. July 1927
- water games for class, club or camp. [Lucy S. Proudfoot] *J. Health & Phys. Educ.* June 1931
- water games for pool or open water. [W. E. Longfellow] *Am. Swimmer*. Jan. 1923
- water games; mass games; team games; individual competition. [American Red Cross] *Mimeo. Free.* 5p A.R.C.
- water play. [E. A. Heinz] *Beach & Pool*. March 1929
- water push ball. [B. E. Wiggins] *Mind & Body*. May 1924
- water skin ball. [Nathan H. Kaufman] *Beach & Pool*. Feb. 1933
- water sports. [V. K. Brown] *Beach & Pool*. Nov. 1929
- water sports. [Mae F. Dewey] *Camps & Camping*. p90-1. 1931
- water sports. [National Recreation Association] 10c N.R.A. July 1934
- water sports and outboards. [J. Dunnell] *St. Nichol*. Oct. 1930
- water stunts and games. *Swim. Pool Data & Ref. Ann.* 5:68-72. 1937
- water swat tag. [W. O. McClellan] *Phys. Train.* March 1920
- whoops! Water joy. *Beach & Pool*. March 1935
- wow! Stunts and games. [H. A. Bickel, comp] *Beach & Pool*. Jan.-Dec. 1935 Each article contains several games and stunts.

GAMES FOR BEGINNERS. See also Recreational Swimming, games and stunts; Recreational Swimming, games for girls

—collection of individual stunts, team games, and mass games for beginners. [M. E. McLaughlin] 1931. Springfield Col.

—one hundred games for beginners. [Elwyn R. Hallock] Springfield Col. 1931

—stunts and games for the beginning swimmer. [Clyde Priddle] Springfield Col. 1932

GAMES FOR GIRLS. See also Recreational Swimming, games and stunts; Recreational Swimming, games for beginners

—games for girls. *J. Am. Med. Assoc.* Nov. 19, 1921

—games for girls. *Mind & Body*. June, 1922

—water sport for girls. [C. H. Claudy] *Woman's Home Comp.* Aug. 1911

HISTORICAL MATERIAL, swimming as a recreation. [Archibald Sinclair] *Windsor Mag.* June 1895

INTRAMURALS. See also Recreational Swimming

—intramural swimming. [C. F. Parker] *J. Health & Phys. Educ.* Nov. 1936

—swimming intramurals. [Elizabeth Autrey] *Water Sports*. p34. 1935-36

—water baseball as an intramural sport. [J. C. Clarke] *J. Health & Phys. Educ.* March 1936

LEADERSHIP. See Recreational Swimming, facilities and leadership

LEISURE USE, after college what? [Wilma D. Haynes] *Res. Quart.* March 1931

—Americans at play; recent trends in recreation and leisure time activities. [Jesse Frederick Steiner] 20lp McGraw-Hill. 1933

—analysis of the leisure-time activities of the graduates of a state teachers college. [Carrie A. Hupp] Thesis. Colorado State Col. Educ. 1934

—applying the athletics for all slogan to swimming. *Playground*. March 1927

—bathers of the city. (il) [R. D. Paine] *Outing*. Aug. 1905

—changing trends in sport. [John Roberts Tunis] *Harper's Mag.* Dec. 1934

—come on in. (il) [J. B. Kennedy] *Collier's*. Aug. 26, 1933

—come on in! [Helen Wainwright] *Am. Aug.* 1930

—come on in; interview with E. Holm. (il) [E. Dickson] *Collier's*. July 16, 1932

—community surveys. [Carl A. Jessen and H. C. Hutchins] *U.S. Dept. Interior*. 1936

—contributions of college intramural activities to post-college recreational activities of Williams College graduates of the classes of 1920, 1925, and 1930. [Edward L. Bike] Thesis. New York Univ. 1931

—dictators discover sport. [John Roberts Tunis] *Foreign Aff.* July 1936

—hobbies of a Rotary club. [N. L. Mallison] *N.R.A.* Sept. 1934

- in swimming. [A. S. Pier] Atlantic. Aug. 1905
- inadequacies of the present program of physical education activities for girls to provide recreational interests for leisure time. [Emma Lucy Wilder] Thesis. Harvard Univ. 1934
- leisure activities survey of Grand Island, Nebraska, adults. [C. Ray Gates] Oct. 1936. Unpublished
- leisure and recreation. [Martin H. and Esther S. Neumeyer] 405p Barnes. 1936
- leisure and the schools. [Cincinnati Schoolmaster's Club] N.R.A. March 1935
- leisure hours of 5000 people: report of study of leisure-time activities and desires. [George D. Butler] \$1 N.R.A. 1934
- leisure-time activities of 400 persons. [Marion Flad] Sociol. & Social Res. Jan.-Feb. 1934
- leisure-time interests and activities of business girls. [Janet F. Nelson] Womans Press. 1933
- let's go swimming. (il) [W. H. Eddy] Good Housekeep. Aug. 1936
- let's go swimming. (il) [W. H. Eddy] House & Garden. May 1937
- my hobby is swimming. [Natalie Kingston] Swim. Nov. 1924
- new social demand for swimming. [A. D. Browne] Red Cross Cou. June 1, 1925
- program of physical education and a study of its carry-over effects. [Paul D. Guernsey] J. Health & Phys. Educ. June 1933
- recent social trends in the United States. [Jesse Frederick Steiner] 201p McGraw-Hill. 1933
- recreational yearbook. [National Recreation Association] Recrea. June 1936; June 1937; June 1938
- students' use in leisure time of activities learned in physical education in state teachers colleges. [Ethel J. Saxman] Ph. D. Thesis. 90p Teachers Col. 1926
- study of secondary school program of physical education as related to the leisure-time activities of 875 college women. [Mary Bottje] Thesis. Univ. Michigan. 1934
- study of the leisure-time activities of the women students of a teachers college with specific reference to activities offered by W.A.A. [Malinda Hamblen] Thesis. New York Univ. 1930
- study of the possible carry-over from physical activities in school to adult life. [Frederick Lyman Bosworth] Thesis. Boston Univ. 1934
- study of the recreation activities of employed women. [B. S. Goetter] Thesis. Univ. Pittsburgh. 1927
- survey of the status of recreational aquatics in the Y.M.C.A. [K. E. L'Hommedieu] Thesis. Springfield Col. 1937
- swimming for leisure. [Herbert G. Allphin] Beach & Pool. April 1935
- theory of play. [Elmer D. Mitchell and Bernard S. Mason] 547p Barnes. 1935
- PARTIES, for indoor pools. [Katherine Adams Menges] J. Health & Phys. Educ. Feb. 1936
- PLAY DAYS. [Olive McCormick] Aquat. p34-7. 1931-32
- [National Recreation Association] 20c N.R.A. 1936
- PROGRAMS, state and municipal, all year activities for pools. [W. E. Longfellow] Beach & Pool. June 1931
- aquatic sports in Hawaii. (il) [H. H. Yost] Illus. World. Sept. 1922
- civic instruction in swimming. [Fred C. Mills] World Today. Jan. 1911
- community recreation. [R. A. Johnston] Ath. J. May 1927
- community recreation program for Preston County. [Max Poscove] Thesis. West Virginia Univ. 1937
- enriching the program for beaches and pools of America; organized recreation in the water. Playground. July 1926
- health and recreation for city children. [Bertha H. Smith] Craftsman. Sept. 1905
- high school leadership in community swim programs. [Howard T. Ploessl] Swim. Pool Data & Ref. Ann. 5:64-65. 1937
- Minnesota state-wide recreation program. [Robert Welch Murchie] 31p Univ. Minnesota. 1934
- more than a million swimmers a year. [John Brown, jr.] Swim. Pool World. Oct. 1932
- New York City spends \$300,000 teaching efficient watermanship. School Manag. June 1933
- New York swims. [Marie W. Bishop] Beach & Pool. April 1933
- place to swim in every rural community and every boy a swimmer. [John Brown, jr.] Rur. Man. May 1911
- play ground program. [C. H. English] Am. Phys. Educ. Rev. March 1929
- public recreation in Portland, Oregon. [C. P. Keyser] Beach & Pool. June-July 1935
- recreation for rural communities. [George F. Hendricks] J. Health & Phys. Educ. Oct. 1936
- recreation on a municipal lake. [Paul T. Garver] Recrea. July 1937
- Sport und Staat (sport and state). [Arno Breitmeyer (ed) Alfred Baeumler and P. G. Hoffmann] I. Selbstverlag. d. Hilfsfonds f. d. Deuts. Sport. 1934
- study of swimming in Utah: programs. [C. F. Belliston] Thesis. Univ. Oregon. 1936

BIBLIOGRAPHY OF SWIMMING

Recreational Swimming—Continued**PROGRAMS—Continued**

- successful community swimming program. [Howard T. Ploessel] *Ath. J.* June 1937
- summer symposium: community summer swimming program, Concord, Massachusetts. [G. Bacon and M. Pratt] *Par. Mag.* June 1937
- teaching North America to swim. [W. H. Ball] *Assoc. Men*
- teaching swimming at wholesale. [G. H. Corsan] *Phys. Train.* Dec. 1909
- water sports as municipal recreation. [M. T. Wood] *Nation's Health*. June 1923
- water sports in an English borough. (il) [E. J. Goodacre] *Am. City*. May 1926
- water sports in Uruguay. (il) [M. Lusiardi] *Bull. Pan. Am. U.* April 1938
- what Seattle is doing for swimming; and how it is doing it. [John A. Torney, jr.] *J. Health & Phys. Educ.* Nov. 1930

RELATION OF POOLS TO. See also Recreational Swimming, leisure use

- lure of the outdoor swimming pool. [A. D. Taylor] *Country Life*. March 1921
- pool in the recreational program. [Herbert G. Allphin] *Beach & Pool*. May 1934
- pool on the playground. (il) [Herbert G. Allphin] *Recrea.* June 1935
- relation of pools to recreation programs. [W. Bintz] *Beach & Pool*. May 1931
- use of pool. [A. M. Chesley] *Assoc. Boys*. Oct. 1903

SKIING, WATER. Skiboarding. [R. D. Pope] *Pop. Mechan.* Sept. 1931

—der Wasser-Ski-Sport (sport of water skiing). [M. Mitter] 44p *Freytag*. 1930

SOCIAL DEMAND FOR. See Recreational Swimming, leisure use

STUNTS. See also Recreational Swimming, games and stunts; Recreational Swimming, stunts chart

- additional stunts for exhibition. [Marie Henze] *Aquat.* p32-3. 1931-32
- strokes and stunts. [Gertrude Gibson Meehan] *The Author*. 1922
Issued for the Boston School of Physical Education.
- stunts and non-standard dives. [Dorothy A. Schmitz] *Article from Ath. Handb.* no.31R. 1930-31

—swimming stunts: water stunts, board stunts, tricks for single performers and for groups, and water games and races. [Katharine Whitney Curtis] *Swim. Pool Data & Ref. Ann.* 6:62-63. 1938

—water tricks. [Johnnie Kemp] *Beach & Pool*. March 1933

STUNTS CHART. [Albert W. Gray] Chart. 25c Sets of ten, \$2 Large copy, \$1 *Scholastic C. Bk. Shop.* 1933

SURF BOARDS. See also Life Saving

- Hawaiian surfboard. [Tom Blake] 95p *Paradise of the Pacific*. 1935
- riding the breakers. [Tom Blake] *Pop. Mechan.* July 1937
- swimming and surfing. [Harry Hay] 2d. 14p *Jantzen (Australia)*. 1931

VALUES. See also Recreational Swimming; Values, recreational

- recreational values of swimming. [E. S. Sikes] *Swim.* Feb. 1925
- swimming for health, safety, and fun. [American Red Cross] *Free. A.R.C.* 1925
- value of swimming as a recreational activity. (il) [H. Norman Engelsen] *Recrea.* June 1932

Red Cross Aquatic Schools. See Aquatic Schools, American Red Cross

Redden, W. R. Dermatophytosis. *Scholastic C.* Dec. 1932

Ringworm—its extent, severity and careful treatment. *Beach & Pool*. March 1932; also *Res. Quart.* May 1932

Reducing. See Values, for reducing

Reed, R. K. Newport harbor's swimming project. *J. Health & Phys. Educ.* Nov. 1935

Reeves, Boleyne (ed.). *Colburn's kalendar of amusements*. Colburn. 1840

Regulations and Standards for Design, Construction and Operation of Pools and Bathing Places

See also Legal Aspects; Pools and Bathing Places, Construction of, standards for; Pools and Bathing Places, Equipment for, standards for; Pools and Bathing Places, Operation of, regulations regarding; Suits and Towels, regulations regarding suits

—Detroit's standard for swimming pools. *Mind & Body*. April 1929 and March 1930

—how Detroit has improved the sanitary standards of its 43 swimming pools. (il) [W. H. Cary, jr.] *Am. City*. May 1929

—how Wilmington has raised the sanitary standards of its nine swimming pools. [Russell T. Desjardins] *Am. City*. Aug. 1929

—interstate sanitation compact and its implications. [C. A. Holmquist] *Am. J. Pub. Health*. Oct. 1936

—law relating to public baths and wash-houses. *Baths & Bath Engin.* Aug. 1936

—legislation and its compliance by swimming pool operators. [C. W. Klassen] *Beach & Pool*. Feb. 1938

—legislation controlling swimming pools. [D. M. Velez] *An. Soc. mex. de oftal. y oto-rino-laring.* June 1928

—outdoor public bathing places. [J. R. Riker] *Pub. Health News*. Jan.-Feb. 1930; also *Pub. Health Nurse*. Jan. 1930

—precepts of the pool. [A. M. Crane] *Am. Phys. Educ. Rev.* Dec. 1919

- report on public baths and wash-houses in the United Kingdom. [Agnes Campbell] Carnegie United Kingdom Trust. 1918
- sanitary regulations of pools in schools. [H. K. Read] J. Am. Assoc. Hyg. & Baths. 14:17-19. May 1930
- sanitary standards for swimming pools. [Arthur M. Buswell] Am. City. Oct. 1920; *also* Phys. Train. May 1921
- standards for design, construction, equipment and operation of swimming pools and other public bathing places. [S. DeM. Gage, Harry F. Ferguson, and others] J. Am. Assoc. Hyg. & Baths. April 1927
- standards for swimming pool legislation. [W. A. Manheimer] Med. Rec. March 9, 1918
- standards for the swimming pool in educational institutions. [F. W. Luehring] Ph. D. Thesis. Teachers Col. 1938
- stream pollution and stream purification: report of Senator Augustine Lonergan, chairman of the conference with the Secretary of War relative to the proposal to grant federal authority to prevent stream pollution and to provide for stream purification. [Conference on Stream Pollution and Stream Purification] 103p Gov. Printing Off. 1935
- study of swimming in Utah: legislation. [C. F. Belliston] Thesis. Univ. Oregon. 1936
- summary of swimming committee's report of 1919. [W. H. Ball] Phys. Train. Jan. 1920
- swimming pool and bathing place waters; report of committee. [W. D. Stovall and W. L. Mallmann] Am. J. Pub. Health. Feb. 1935
- swimming pool standards, uniform and practicable regulations. [A. M. Crane] Nation's Bus. Feb. 1924; *also* Am. Phys. Educ. Rev. Feb. 15, 1924
- swimming pools and other public bathing places. [American Public Health Association, and the Conference of State Sanitary Engineers, Joint Committee on Bathing Places] 45p Am. Pub. Health Assoc.
First published in 1926. Progress Reports have been issued annually. The report appears annually in American Public Health Association Year Books, American Journal of Public Health, Journal of the American Association for Promotion of Hygiene and Public Baths, Swimming Pool Data & Reference Annual and in other periodicals.
Reprints have been issued by several State Departments of Public Health and by Wallace & Tiernan Company, Inc.
- swimming pools and other public bathing places. [Wallace & Tiernan Company, Inc.] Wallace & Tiernan. 1930
- tendencies in standards of river and lake cleanliness. [Harold W. Streeter] 12p Gov. Printing Off. 1934
- wanted: national standards for swimming pools. [Charles H. Capen, jr.] Beach & Pool. Feb. 1934
- water rules of big Scout camps. [W. A. Stecher] Am. Swimmer. June-Aug. 1922
- what should a code of swimming pool standards embody? [A. M. Crane] Beach & Pool. Jan. 1927
- STATE. First, titles are listed according to an alphabetical arrangement of states. Material which follows this listing is alphabetical by title.
- swimming pool recommendations. Reprint of the report of the Joint Committee on Bathing Places of the American Public Health Association and the Conference of State Sanitary Engineers. [Alabama State Board of Health] Free. 38p Alabama State Board Health. 1929
- swimming pools and other public bathing places. Reprint of the report of the Joint Committee on Bathing Places of the American Public Health Association and Conference of State Sanitary Engineers. [Arizona State Board of Health] Free. Arizona State Board Health. 1937
- sanitation of public pools and bathing places. [Arkansas State Board of Health] Free. Arkansas State Board Health. 1938
- state swimming pool regulations. May-June 1920. California State Dept. Pub. Health
- swimming pool regulations. [C. G. Gillespie] California State Dept. Pub. Health Bull. March 1918
- swimming pools: rules, legislation and notes on construction and operation. [California State Department of Public Health] Free. 18p California State Dept. Pub. Health. 1929. 1937
- rules and regulations for pools and other public bathing places. [Colorado State Board of Health] Free. 3p Colorado State Board Health. 1937
- sanitary code of the state of Connecticut: swimming pools. [Connecticut State Board of Health] Free. 46p Connecticut State Board Health. 1937
- regulations pertaining to swimming pools and bathing places. [Delaware State Board of Health] Free. 3p Delaware State Board Health. 1937
- sanitation, operation, regulations, inspection, and provisions regarding public bathing places. [Florida State Board of Health] Free. 4p Florida State Board Health. 1919
- swimming pools and other public bathing places. Reprint of report of Joint Committee on Bathing Places of the American Public Health Association and Conference of State Sanitary Engineers. [Georgia State Board of Health] 51p Georgia State Board Health. 1937

BIBLIOGRAPHY OF SWIMMING

Regulations and Standards—Continued

STATE—Continued

- standards for design, construction, equipment and operation of swimming pools. [Idaho State Department of Public Welfare] Free. 3p Idaho State Dept. Pub. Welfare. 1938
- laws, rules and regulations of the states and some cities for swimming pools and other public bathing places. [Illinois State Department of Public Health, Division of Sanitary Engineering, Harry F. Ferguson, chief engineer] Notab. Swim. Pools. 1:37-87. 1933
- minimum sanitary requirements for swimming pools and bathing places with additional information and suggestions on design, construction and operation. [Illinois State Department of Public Health] Prepared by Klassen, C. W.; Hyatt, C. A.; and Walker, V. L. Illinois State Dept. Pub. Health. July 15, 1935. Rev. May 1, 1938
- new swimmin' hole. [Illinois State Department of Public Health] Free. Illinois State Dept. Pub. Health. Issued four times yearly.
- personal regulations for swimming pools. [Illinois State Department of Public Health] Free. 2p Illinois State Dept. Pub. Health. 1937
- swimming pool sanitation including swimming pool regulations. [Indiana State Board of Health] Free. 28p Indiana State Board Health. 1935
- swimming pool regulations. [Iowa State Department of Health] Free. 14p Iowa State Dept. Health. 1938
- regulations governing public swimming pool sanitation. [Kansas State Board of Health] Free. 4p Kansas State Board Health. 1935
- rules on swimming pools. [Kentucky State Board of Health] Free. 2p Kentucky State Board Health. 1937
- rules and regulations of the State Department of Health of the state of Maine covering swimming pools. [Maine State Board of Health] Free. 3p Maine State Board Health. 1937
- artificial indoor and outdoor swimming pools: suggestions for their design and control. [Maryland State Board of Health] Free. 12p Maryland State Board Health. 1930
- regulations governing public swimming pools. [Maryland State Board of Health] Free. 1p Maryland State Board Health. June 1929
- regulations governing public swimming pools. [Maryland State Board of Health] Am. J. Pub. Health. Aug. 1929
- sanitary control of swimming pools. [Massachusetts State Board of Health] Massachusetts State Board Health. 1913
- suggestions as to minimum requirement relating to sanitation, medical supervision, nutrition and the general management of summer camps. [Massachusetts State Board of Health] Free. Massachusetts State Board Health. 1922
- swimming pools and other public bathing places. Reprint of report of the Joint Committee on Bathing Places of the American Public Health Association and the Conference of State Sanitary Engineers. [Massachusetts State Board of Health] Free. Massachusetts State Board Health. 1937
- —rules pertaining to use and operation of indoor and outdoor artificial swimming pools. [Michigan State Department of Public Health] Free. 8p Michigan State Dept. Pub. Health. 1932
- sanitary features to be observed in the design and construction of swimming pools and wading pools. [Minnesota State Board of Health] Free. 14p Minnesota State Board Health. 1936
- sanitary regulations of the Mississippi State Board of Health: swimming pools. [Mississippi State Board of Health] Free. 3p Mississippi State Board Health. Sept. 1937
- approved standards for design and operation of public bathing places. [Missouri State Board of Health] Free. 13p Missouri State Board Health. 1937
- regulations governing sanitation of public bathing places. [Missouri State Board of Health] Free. 1p Missouri State Board Health. 1937
- swimming pools: their design, operation and maintenance. [Montana State Board of Health] Free. 18p Montana State Board Health. 1937
- information concerning construction and operation of swimming pools. [Nebraska State Board of Health] Free. 6p Nebraska State Board Health. 1937
- rules and regulations relating to swimming pools and the quality of swimming pool water. [Nebraska State Board of Health] Free. 5p Nebraska State Board Health. 1937
- laws relating to public swimming pools and bathhouses and regulations governing the sanitation, safety and cleanliness of public bathing places. [Nevada State Board of Health] Free. 15p Nevada State Board Health. 1937
- manual for health officers. *Section (p35-40) on swimming pools.* [New Hampshire State Board of Health] Free. 64p New Hampshire State Board Health. 1936
- regulations governing the sanitation of juvenile recreational camps. [New Hampshire State Board of Health] Free. 8p New Hampshire State Board Health. 1928

- [New Jersey State Department of Health] No regulations
- regulations governing the construction and operation of swimming pools. [New Mexico State Bureau of Health] Free. 2p New Mexico State Bur. Health. 1937
- operation of swimming pools and bathing beaches. [New York State Department of Health] New York State Dept. Health. 1932
- regulations for swimming pools. [C. A. Holmquist] J. Am. Assoc. Hyg. & Baths. 12:36-38. 1929
- revised standards for sanitation of swimming pools; new regulations on swimming pools in sanitary code of New York State. (bib) Municipal Ind. p490-2. 1928
- sanitary code established by the Public Health Council of the state of New York applying to camps, with amendments effective June 1, 1924. [New York State Department of Health] Free. 7p New York State Dept. Health
- sanitary code established by the Public Health Council of the state of New York. Chapter VI (4p) Swimming pools and beaches. [New York State Department of Health] Free. New York State Dept. Health. 1934
- sanitary code: swimming pools. [New York State Public Health Council] Am. Phys. Educ. Rev. May 1928
- state sanitary regulation of swimming pools. [L. A. Schwan] New York State Dept. Health Bull. Dec. 26, 1927
- swimming pools; regulations established by the Public Health Council of the state of New York. Playground. Sept. 1928
- general specifications for purification and recirculation equipment for swimming pools. [North Carolina State Board of Health] Free. 8p North Carolina State Board Health. 1937
- swimming pools and other public bathing places. Reprint of report of Joint Committee on Bathing Places of the American Public Health Association and the Conference of State Sanitary Engineers. [North Dakota State Board of Health] North Dakota State Board Health. 1937
- regulations governing public swimming pools suggested for adoption by general health districts in Ohio. [Ohio State Department of Health] Free. 4p Ohio State Dept. Health. 1937

State also uses reprint of Report of Joint Committee on Bathing Places of American Public Health Association and Conference of State Sanitary Engineers.
- standards for design, equipment, and operation of swimming pools in the state of Oklahoma. [Oklahoma State Board of Health] 13p Oklahoma State Board Health. 1937
- swimming pool regulations. [Oregon State Board of Health] Free. 5p Oregon State Board Health. 1937
- public bathing laws of the commonwealth of Pennsylvania. [Pennsylvania State Department of Health] 3p Pennsylvania State Dept. Health. 1931
- regulations for the operation of swimming pools. [Rhode Island State Board of Health] Free. 6p Rhode Island State Board Health. 1928
- swimming pools. [South Carolina State Board of Health] Free. 8p South Carolina State Board Health. Sept. 1937
- policies relative to artificial outdoor swimming pools. [South Dakota State Board of Health] Free. 9p South Dakota State Board Health. 1933
- public health laws and regulations. *Section (p173) on Public bathing places.* [South Dakota State Board of Health] Free. 204p South Dakota State Board Health. 1933
- [Tennessee State Department of Public Health] No regulations. Municipal ordinances may be secured from the cities of Knoxville and Nashville
- minimum swimming pool standards. [Texas State Board of Health] Free. 7p Texas State Board Health. 1937
- regulations relating to the safety, sanitation, and operation of swimming pools. [Utah State Board of Health] Free. 5p Utah State Board Health. 1937
- [Vermont State Board of Health] No regulations
- swimming pools and other public bathing places. Reprint of report of Joint Committee on Bathing Places of the American Public Health Association and Conference of State Sanitary Engineers. [Virginia State Board of Health] Virginia State Board Health. 1937
- rules and regulations governing sanitation: sanitation of swimming pools and bathing beaches. [Washington State Board of Health] Free. 6p Washington State Board Health. 1936
- recreational sanitation: public swimming pools. [West Virginia State Department of Health] Free. 32p West Virginia State Dept. Health. 1927

State also uses reprint of the Report of the Joint Committee on Bathing Places of the American Public Health Association and the Conference of State Sanitary Engineers.
- swimming pool and recreational bathing code. [Wisconsin State Board of Health] Free. 27p Wisconsin State Board Health. 1937
- regulations governing the construction and operation of public swimming pools. [Wyoming State Board of Health] Wyoming State Board Health. 1938

BIBLIOGRAPHY OF SWIMMING

Regulations and Standards—Continued

STATE—Continued
 —comparison—state regulations of pools and waterworks. *J. Am. Assoc. Hyg. & Baths.* 11:88. 1929; 13:13. 1930; 14:26. 1930; 15:40. 1931
 —progress in state regulations for swimming pools. [A. E. Gorman] *J. Am. Assoc. Hyg. & Baths.* April 1932
 —report of committee on swimming pool sanitation. *Minnesota Municip.* Oct. 1924
 —state regulation of bathing places. [A. M. Crane] *J. Am. Assoc. Hyg. & Baths.* April 1927
 —state regulation of public baths, swimming pools and other bathing places. *J. Am. Assoc. Hyg. & Baths.* 16:57-74. 1932
 —state regulation of public baths, swimming pools, laundries or wash houses and comfort or convenience stations. *J. Am. Assoc. Hyg. & Baths.* April 1927 and March 1929
 —swimming pool standards and state laws by Boards of Health relative to swimming pools. [A. M. Crane] *J. Am. Assoc. Hyg. & Baths.* April 1924

Reichart, Natalie. Evaluation of types of formal swimming competition for girls of high school age. Thesis. New York Univ. 1929
 —and Brauns, Jeanette. Manual for swimming students. Mimeo. 75c 50c ea. on orders of 12 or more. Corvallis, Ore., Oregon State College. The Authors. 1936

Swimming workbook: a manual for students. (il) \$1 Barnes. 1937

Reichelderfer, L. H. Purification of water by means of darnal filter. *Mil. Surg.* Sept. 1912

Reijs, J. H. O. Bodily demands for various kinds of sport. *Geneesk. gids.* June 3, 1927

Reilly, James H. In the swim; how to swim the crawl stroke. (il) *Scholastic.* Feb. 1 and 22, 1936

Reinforcement of Pools. See Pools and Bathing Places, Construction of, reinforcement

Reinheimer, L. Ueber orthopädisches Schwimmen. *Ztschr. f. Schulgesund. u. Soz. Hyg.* 39:10-13. 1926

Reinking, F. Infecciones de nariz y oídos por baños de mar. *An. Soc. mex. de oftal. y oto-rino-laring.* Oct.-Dec. 1936

Relation of Pools to Diseases. See Diseases, relation of pools to

Relation of Pools to Recreation. See Recreational Swimming, relation of pools to

Relief Projects. See Pools and Bathing Places, Construction of, as relief projects

Religious Observance. See History

Remodeling Pools. See Pools and Bathing Places, Construction of, repair and remodeling

Remy, E. Über die beschränkte Leistungsfähigkeit von Elektrokatadynanlagen für die Regeneration von Badewässern. *Ztschr. f. Hyg. u. Infektionskr.* 119:263-68. 1937

Zur Frage der hygienischen Beurteilung chlorienter Badewässer. *Arch. f. Hyg.* April 1934

Zur Frage der hygienischen Beurteilung chlorienter Badewässer; die Bewertung der bakteriologischen und chemischen Untersuchungsbefunde für die hygienische Beurteilung. *Arch. f. Hyg.* Jan.-Feb. 1936

Repairing Pools. See Pools and Bathing Places, Construction of, repair and remodeling

Rescue Methods. See Life Saving

Reser, L. T. Sanitary swimming pools and their control. *J. Am. Med. Assoc.* Dec. 2, 1916

Water basketball. *Mind & Body.* Oct. 1916

Resistance. See Speed Swimming, resistance

Respiration

See also Diving; Speed Swimming; Strokes; Teaching

—analysis of the respiratory habits of trained swimmers. [Thomas M. Aycock, Loren H. Graaff and W. W. Tuttle] *Res. Quart.* May 1932

—analysis of the respiratory habits of trained swimmers. The crawl and breast stroke. [Thomas M. Aycock] Thesis. Univ. Iowa. 1931

—blood pressure in nasal, oral and tracheal breathing. [B. Lukow] *Monatschr. f. Ohrenh.* Dec. 1928

—breathing and crawl swimming. [T. Gascoigne] *Swim. Times.* May 1935

—breathing and its relationship to physical activity. [Alfred E. Parker] *Free. Catal. Island Press*

—breathing exercises for all swimmers. [W. Henry] *Swim.* April 1917

—breathing: its importance in swimming. [Reginald H. Bickett] *Swim. Times.* June 1934

—diseases and injuries of ear and upper respiratory tract resulting from bathing. [A. Eckert-Möbius] *Med. Welt.* June 30, 1934

—effect of carbon dioxide and other substances on respiratory and cardiovascular centers; perfusion of mammalian medulla. [D. R. Hooker, D. W. Wilson and H. Connell] *Am. J. Physiol.* May 1917

—effect of muscular work and respiratory resistance on variations in frequency of inspiration. [L. Dautrebande and P. Clairbois] *Ann. de physiol.* 8: 442-50. 1932

—effect of oxygen inhalation on swimming performance. [Peter V. Karlovich] *Res. Quart.* May 1934; also *Phys. Educ. Health & Recrea. Dig.* Dec. 1934

- experiment on breath control. [David K. Brace] Am. Phys. Educ. Rev. Feb. 1925
- experimental study of the respiration of side stroke and back stroke. [Loren H. Graaff] Thesis. Univ. Iowa. 1931
- improving the breath control of swimmers—how to teach conscious regulations of respiration. [Clarence A. Bush] Ath. J. Dec. 1926
- inhalation: sustained lung inflation via quick lung deflation in long and short distance swimming. [T. W. Sheffield] Beach & Pool. Jan. 1937
- learning to inhibit and to control breathing. [Rudolf F. Vogeler and J. P. Guilford] Am. J. Psychol. Oct. 1931
- nasal hygiene: breathing in swimming. [C. E. Scofield] Long Island M.J. July 1924
- nose and mouth breathing. [J. Freer] Wien. klin. Wchnschr. May 15, 1931
- observations on holding the breath. [Edward C. Schneider] Am. J. Physiol. Aug. 1930
- oxygen inhalation and athletics. [Peter V. Karpovich] Scholastic C. Nov. 1934; also Phys. Educ. Health & Recrea. Dig. Dec. 1934
- phenomena of breathing especially in relation to cardiovascular aspects of athletics. [G. Lami] Riforma med. July 2, 1932
- physiology of athletics; respiration. [Peter V. Karpovich] Scholastic C. Oct. 1934
- regular breathing a physiological necessity. [Harry M. Boardman] Swim. March 1925
- relationship to speed efficiency in swimming. [T. K. Cureton, jr.] Res. Quart. March 1930
- respiration and gas metabolism in initial stages of physical exertion. [F. Grosse-Brockhoff, W. Schoedel and W. Springorum] Arch. f. d. ges. Physiol. 238:374-78. 1936
- respiratory responses of pre-adolescent boys to muscular activity. [Edward C. Schneider and C. B. Crampton] Am. J. Physiol. Dec. 1936
- respiratory symptoms from sea-water inhalation. [E. James] Brit. M.J. Oct. 5, 1935
- second wind. [Peter V. Karpovich] Scholastic C. Nov. 1935
- second wind. [J. P. Langlois] Médecine. Sept. 1921
- sinusitis and ear infections as related to swimming and diving. [Grace B. Daviess] J. Health & Phys. Educ. May 1938
- studies in physiology of muscular exercise; blood reaction and breathing. (chart) [D. P. Barr] J. Biol. Chem. May 1923
- studies in physiology of muscular exercise; oxygen relationships in arterial blood. (chart) [H. E. Himwich and D. P. Barr] J. Biol. Chem. Sept. 1923
- study of the respiratory habits of trained women swimmers. [Rachel Jane Benton] Thesis. Univ. Iowa. 1932
- teaching breath control. [Clarence A. Bush] Ath. J. Nov. 1926
- type of breathing in various sports. [W. Kohlrausch] München. med. Wchnschr. Nov. 25, 1921
- ARTIFICIAL.** See Resuscitation
- PHYSIOLOGY OF.** See Physiological Aspects, of respiration
- Responsibility for Drownings.** See Pools and Bathing Places, Operation of, responsibility for drownings
- Rest, Value of During Training.** See Coaching, training
- Resuscitation**
 - AIDS DURING, [A. C. P. Handover] Swim. Times. Feb. 1935
 - concerning oxygen and carbonic acid inhalation under conditions dangerous to life and in the life-saving service. [Schwarze] Deutsche med. Wchnschr. April 12, 1929
 - first aid in drowning. Hygeia. Aug. 1937
 - modern methods of reviving drowned persons; pharmacologic stimulation. [E. Sehrt] München. med. Wchnschr. July 26, 1935
- ASPHYXIA, as a medical problem.** [Cecil K. Drinker] Mind & Body. Sept.-Oct. 1928
- asphyxia; explaining that it is to the deficiency of oxygen rather than to the excess of carbonic acid that the phenomena of asphyxia are to be ascribed. [D. Ferrier and R. G. Hebb] Article from Quain's Dictionary of Medicine. 3rd ed. Longmans 1902
- mechanical resuscitation in advanced forms of asphyxia. Clinical and experimental study in different methods of resuscitation. [P. N. Coryllos] Surg., Gynec. & Obst. April 1938
- practical school of special aids in asphyxia; in times of war and time of peace. [Charles Cot] 188p François. 1935
- prevent asphyxial death. [P. J. Flagg] Hygeia Jan.-Feb. 1936
- studies in. [W. P. Yant, J. Chornyak, H. H. Schrenk, F. A. Patty and R. R. Sayers, for U.S. Treasury Department, Public Health Service] Pa. 15c 61p Gov. Printing Off. Aug. 1934
- BELLOWS METHOD.** See Resuscitation, history and historical material
- BIOMOTOR FOR.** See Resuscitation, mechanical devices for
- By COUNTER SHOCK,** resuscitation by countershock. Lit. Dig. Oct. 21, 1933

Resuscitation—Continued

CARBON DIOXIDE FOR, resuscitation with carbon dioxide. (bib) [Y. Henderson] Sc. (new series) May 1, 1936

CHARTS, artificial respiration: prone pressure method. [American Red Cross] Poster. Free. A.R.C.

CORAMINE IN, coramine and its value in life-saving. [R. B. Edwards] Baths & Bath Engin. March 1938

—recent observations on treatment of apparently drowned persons by artificial respiration and administration of coramin. [E. Sehrt] Deutsche med. Wchnschr. July 6, 1934

HALL METHOD. See Resuscitation, history and historical material

HEAT METHOD. See Resuscitation, history and historical material

HELSTEN METHOD. See Resuscitation, history and historical material

HISTORY AND HISTORICAL MATERIAL. See also History; Life Saving, history and historical material

—address to the King and Parliament of Great Britain on preserving the lives of the inhabitants: also hints for restoring animation by an improved plan. [A. Fothergill and W. Hawes] London, 1783

—art of swimming with observations on the saving of life, describing in detail the following methods: bellows method; Royal National Lifeboat Institution method in 1857; Silvester and Hall methods. [Henry Gurr] 6d. 56p Darton & Hodge. 1866; *reprints* Lea. 1868; Grapho. Co. 1872(?); Dean & Son. 1874(?)

—asphyxia. [Henry R. Silvester] M. Times & Gaz. 1857(?)

—asphyxia, its nature and remedy. A pamphlet presented to the Royal Humane Society in Jan. 1856

—directions for recovering persons, who are supposed to be dead from drowning; also for preventing and curing the disorders, produced by drinking cold liquors, and by the action of noxious vapours, lightning, and excessive heat and cold, upon the human body. [Philadelphia Humane Society] 16p Humane Soc., Philadelphia. 1788

—discourse, before the Humane Society in Boston, on restoration from drowning. [John Lathrop] 34p Russell. 1787

—discourse, on the subject of animation. [John Bartlett] Pa. 40p Thomas & Andrews. 1792

—discourse relative to the subject of animation, delivered before the Humane Society of the commonwealth of Massachusetts, at their semiannual meeting June 13th, 1797. [John Fleet] 25p Boston, Mass. John and Thomas Fleet. 1797

—enquiry into the causes of suspended animation from drowning; with the means of restoring life. [David Hosack] 37p Swords. 1792

—essay on the recovery of the apparently dead. [Charles Kite] 274p Dilly. 1788

—forensic medicine; historical discussion of drowning and resuscitation. [J. Dixon Mann] London. 1898

—from the primitive to the present in artificial resuscitation methods. (il) Hygeia. Oct. 1934

—medical jurisprudence. [Alfred Swaine Taylor] London. 1891. 1894
Ed. by Thomas Stevenson.
One of the first text books containing a discussion on resuscitation.

—methods for rescue and resuscitation. [M. L. Ewes] Pearson's Mag. July 1899

—miscellaneous observations on resuscitation. [George Isaac Huntingford] 48p Roy. Humane Soc. April 24, 1803

—new enquiry into the suspension of vital action in cases of drowning and suffocation. [A. Fothergill] Bath, England. 1795

—observations on a case published in the last volume of medical essays of recovering a man dead in appearance, by distending the lungs with air. [John Fothergill] Tr. Roy. Soc. Edinburgh v43. 1744

—official "edict" by city of Zürich, Switzerland, 1766 A.D., on methods of resuscitation to be employed on drowned or asphyxiated persons, with brief introduction. [A. B. Luckhardt] Bull. Inst. Hist. Med. March 1938

—plain rules for the restoration of persons apparently dead from drowning, as taught under the auspices of the Metropolitan Board of Health of the city of New York. [Benjamin Howard] 439p Treat. 1869

—prone and postural respiration in drowning and other forms of apnoea or suspended respiration. [Marshall Hall] 216p John Churchill. 1857

—resuscitation. [Robert Leamon Bowles] Med.-chirur. Tr. May 28, 1889. 1890

—they are not dead. Restoration by the "heat method," of those drowned, or otherwise suffocated. [Thomas Scott Lambert] 120p Wright & Schondelmeier. 1879

—le traitement physiologique de la mort: les tractions rythmées de la langue (physiological treatment of the dead: consisting of seizing the tongue by the tip and drawing it forcibly forwards, rhythmically, about 15 to 20 times to the minute). [J. V. Laborde] 187p Paris. 1894. *Reviewed adversely* Brit. M. J. July 1894; also Lancet. Sept. 8, 1894

—treatment of the apparently drowned. Moore. 1869

- true physiological method of restoring persons apparently drowned or dead; pointing out advantages of Silvester method over Hall method. [Henry R. Silvester] M. Times & Gaz. v15. 1857; *reprint* 1858; 3rd ed. 20p John Churchill. 1863
- worth knowing: saves life: the Helsten method: the most wonderful discovery of the age: how to make a drowning person buoyant and save life. [Eric A. Helsten] 11p Copenhagen. 1896
- HOWARD METHOD.** See also Resuscitation, history and historical material; Resuscitation, methods; Resuscitation, U.S. Coast Guard methods
- variation of the usual method: Howard method. [W. Thomsen] München. med. Wehnschr. June 22, 1934
- MECHANICAL DEVICES FOR**, artificial respiration apparatus for use with compressed air. [A. H. Masters] Quart. J. Exper. Physiol. Oct. 1930
- artificial respiration in accidental asphyxias. Manual and mechanical methods. [Charles Cot] Hôpital. April (B) 1933
- artificial respiration with a lemon squeezer. (il) [A. C. Muller] Sc. Am. Jan. 4, 1913
- artificial respiration with biomotor. [I. Hellich] München. med. Wehnschr. March 14, 1935
- Davis inhalator acceptable. J. Am. Med. Assoc. July 19, 1930
- device for re-establishing and maintaining suspended respiration. [J. H. Pierpont] South. Med. J. Jan. 1917
- does use of biomotor cause hyperpnea? [I. Hellich] Med. Klin. June 14, 1935
- H. H. inhalator for the treatment of respiratory failure. [Mine Safety Appliance Company] Charts. Free. Mine Saf. Appli. Co. 1934
- improved type of pump for artificial respiration. [A. R. Smellie] J. Physiol. Oct. 23, 1929
- indications and limitations of use of pulmoter to promote failing respiration during narcosis. [K. Erb and Scheppohat] München. med. Wehnschr. Aug. 23, 1929
- life saving by mechanical respiration. (il) Sc. Am. July 1929
- mechanical respiration. [H. W. Davies] M. J. Australia. Nov. 2, 1935
- mechanical resuscitation in advanced forms of asphyxia. Clinical and experimental study in different methods of resuscitation. [P. N. Coryllus] Surg., Gynec. & Obst. April 1938
- new apparatus for artificial respiration. [E. Simonson] Med. Welt. Aug. 3, 1929
- new respiratory apparatus. (il) Sc. Am. (Supp). Dec. 23, 1905
- novel breathing apparatus. Harper's W. May 19, 1906
- oxygen fed and driven device for artificial respiration. (il) Sc. Am. Feb. 1, 1913
- les peroxydes alcalins générateurs d'oxygène pour les appareils respiratoires (alkaline peroxides as generators of oxygen for respiration apparatus). Nature. Oct. 1, 1933
- portable artificial respiration outfit. [J. A. Higgins] J. Lab. & Clin. Med. Sept. 1919
- power machine gives artificial respiration. (il) Sc. Am. July 1929
- pulmoter. [R. H. Moulton] Tech. World. June 1912
- resuscitation by machine. [A. B. Wegener] Phys. Train. Sept. 1915
- resuscitation by means of biomotor. [S. Koeppen] Zentralbl. f. Gewerbehyg. May-June 1935
- Schafer method superior to mechanical resuscitation; mechanical devices cause delay and are often injurious to the lungs. [V. Henderson] J. Am. Med. Assoc. Oct. 1, 1921
- simple devices for artificial respiration. [S. J. Meltzer] J. Am. Med. Assoc. May 10, 1913 and Sept. 16, 1916
- simple inspiratory and expiratory pump. [H. Weese] Arch. f. exper. Path. u. Pharmakol. 135:210-12, 1928
- Tissot's respiratory apparatus. (il) [J. Boyer] Sc. Am. Jan. 11, 1908
- trials with mechanical artificial breathing. [G. T. Pack and A. H. Davis] J. Am. Med. Assoc. Jan. 11, 1930
- use of pulmoter in therapy. [H. Dietel] Zentralbl. f. Gynäk. May 14, 1938
- uses of the respirator. Sc. (new series) Nov. 27, 1931
- METHODS OF ARTIFICIAL RESPIRATION.** See also Resuscitation
- artificial respiration. Swim. Times. July 1936
- artificial respiration. [C. Carter Braine] *Section from Quain's Dictionary of Medicine*. 3rd ed. Longmans. 1902
- artificial respiration. [E. M. Cowell] Swim. Times. June 1935
- artificial respiration. [Metropolitan Life Insurance Company] Free. Metropolitan Life
- artificial respiration in accidental asphyxias. Manual and mechanical methods. [Charles Cot] Hôpital. April (B) 1933
- artificial respiration saves lives. Nation's Health. Nov. 1924
- author's pharyngeal insufflation apparatus for, with history and analysis of methods of resuscitation. [S. J. Meltzer] Med. Rec. July 7, 1917
- best method and how to apply it. [C. J. Mijnlieff] Lancet. June 20, 1935
- best method and manner in which it is best accomplished. [C. J. Mijnlieff] München. med. Wehnschr. Nov. 15, 1934

BIBLIOGRAPHY OF SWIMMING

Resuscitation—Continued

METHODS OF ARTIFICIAL RESPIRATION—*Cont.*

- breath of life—at your service. (il) [W. H. Easton] Lit. Dig. Nov. 23, 1935; also Sc. Am. Dec. 1935; also Read. Dig. Aug. 1936
- can science raise the dead? (il) [J. E. Ford] Pop. Sc. Feb. 1935
- care of drowning patient. [L. C. Robbins] J. Indiana M.A. July 1935
- comparative study of different methods. [R. Burton-Opitz] Am. J. Physiol. Aug. 1922
- comparative value of Schäfer and Silvester methods. [J. W. Loos] Nederl. tijdschr. v. geneesk. March 31, 1934
- critical and experimental study. [C. Héderer] Bull. Acad. de méd. Paris. June 19, 1934; also Bruxelles-méd. Aug. 26, 1934; also Arch. de méd. et pharm. nav. Oct.-Dec. 1934
- dead men made to live. (il) [M. R. Grant] Pop. Mechan. Nov. 1933
- doctors have some success making the dead live. (il) News Wk. May 5, 1934
- drowning; discussing the method of resuscitation of Dr. Bowles and Dr. Silvester. [J. Dixon Mann] Article from Quain's Dictionary of Medicine. 3rd ed. Longmans. 1902
- drowning physiology, treatment. [E. Sehrt] Med. Klin. Nov. 30, 1934
- effective treatment of asphyxia after drowning. [F. K. T. Schwarz] Med. Welt. May 11, 1935
- facts vs. propaganda. [F. F. Morris] Sc. Am. July 1923
- first aid afield; restoration from drowning. (il) [Paul W. Gartner] 115p Macmillan. 1934
- first aid for drowned persons, suggesting use of Witzel's suspension position of head, artificial respiration suggested by Silvester and Howard, heart massage according to König Maass and cutaneous stimulants and massage. [Theil] Mind & Body. Feb. 1932
- how to save gas, shock, and drowning victims. [H. N. Bundesen] Pop. Mechan. Nov. 1925
- human life in the balance. [J. S. Wise] Beach & Pool. Oct. 1931
- improved method. [Ernest H. Starling] Am. J. Physiol. March 18, 1926
- life saving by artificial respiration. Swim. Times. Sept. 1936
- manual. [Svend Hansen] Ugesk. f. laeger. Jan. 17, 1929
- manual of artificial respiration; what it is and how to perform it to resuscitate those included by that class of emergencies which cause the victims to stop breathing and are designated as "apparently dead!" [George R. G. Fisher] 75c 80p Stratford. 1923
- method for the treatment of the apparently drowned; together with remarks in discussion on the phenomena attending death from drowning. [Robert Leamon Bowles] 16p Bailière, Tindall & Cox. 1904
- die Methoden der künstlichen Atmung (methods of artificial breathing). [O. Eijsselstein] Berlin. 1912
- methods. [A. Schrumpf] Norsk mag. f. lægevidensk. Oct. 1934
- methods of resuscitation judged physiologically. [Arthur H. Steinhaus] J. Health & Phys. Educ. April 1932
- modern methods of reviving drowned persons; pharmacologic stimulation and artificial respiration. [E. Sehrt] München. med. Wchnschr. July 26, 1935
- new and simple, yet effective method. [H. Hans] Med. Welt. Aug. 11, 1934
- new method. [S. Jellinck] Wien. klin. Wchnschr. June 29, 1934
- new technic of resuscitation. [R. Eisenmenger] Zentralbl. f. Gewerbehyg. Sept.-Dec. 1934
- on resuscitation. [David Hough Dolley] 29p Univ. Missouri. 1913
- practical aspects of resuscitation. [Edward Steidle] Free. Mine Saf. Appli. Co.
- remarks on resuscitation and artificial respiration. [G. Schmidt] Deutsche med. Wchnschr. Aug. 14, 1919
- restoration of the apparently drowned. Outing. June 1908
- restoring the breath of life. (il) [S. H. Cooper] Tech. World. Feb. 1914
- resuscitation. [Y. Henderson] J. Am. Med. Assoc. Sept. 8-15, 1934
- resuscitation. [A. H. Miller] Rhode Island M. J. March 1932
- resuscitation after drowning. [H. Hans] Ztschr. f. ärztl. Fortbild. June 1, 1934
- resuscitation: asphyxia from drowning; quoting the directions for resuscitation of the Royal Humane Society and comparing the Silvester and the Howard methods. [J. T. Clover and C. Carter Braine] Article from Quain's Dictionary of Medicine. 3rd ed. Longmans. 1902
- resuscitation by means of artificial respiration. [Fessler] Deutsche med. Wchnschr. p1537-40. Dec. 1917
- resuscitation by use of Bruns' artificial respiration. [Rumpf] Zentralbl. f. Gewerbehyg. April 1929
- resuscitation for drowned. J. Am. Med. Assoc. Sept. 16, 1916
- resuscitation for drowning. [F. W. Hitchings] J. Am. Med. Assoc. Nov. 23, 1912
- resuscitation of drowned people. [P. Portier] Rev. Scient. April 27, 1929
- technic of. [G. N. Stewart and J. M. Rogoff] J. Lab. & Clin. Med. Nov. 1918

- technic of, in accidental asphyxia. [Charles Cot and others] *Bull. Acad. de méd.*, Paris. Jan. 22, 1935
- to make the drowned breathe. (ii) [W. Brady] *Tech. World*. June 1913
- treatment of the drowned. [Michigan State Department of Public Health] *Free. Michigan State Dept. Pub. Health*. 1916
- two new methods. [C. J. Mijnlieff] *München. med. Wchnschr.* Jan. 10, 1935
- die Wiederbelebung Ertrinkender (symposium on methods of resuscitation). *Med. Welt*. May 11, 1935
- NIELSEN METHOD. See also Resuscitation, methods
 - [Goddard DuBois] *J. Health & Phys. Educ.* Jan. 1936
 - artificial respiration. [Einar Lunds-gaard] Translation into English from *Maaned. f. Prak. laeg. o. Soc. Med.* May 1935. 15p Hellerup, Denmark. Holger Nielsen. 1937
 - artificial respiration according to Nielsen method. [J. Lindhard] *Ugesk. f. laeger*. Jan. 18, 1934
 - discussions between the Vice-president of the Royal Life Saving Society (England), Mr. Handover, and Danish scientists and life saving experts regarding the Schaefer and Holger Nielsen methods of artificial respiration. Hellerup, Denmark. Holger Nielsen
 - Mimeographed translations into English of reports to Colonel Nielsen from: A. C. P. Handover, Vice-president, Royal Life Saving Society, Jan. 1, 1938. 6p; J. Lindhard, Jan. 14, 1938. 5p; Einar Lunds-gaard, Feb. 18, 1938. 4p; E. von Holstein-Rathlou, Professor at the Royal Technical High School and member of the Board of Directors of the Danish Red Cross. 5p; Colonel Nielsen's reply to A. C. P. Handover, March 30, 1938. 6p.
 - Holger Nielsen method of artificial respiration. [Holger Nielsen] Type-written. 8p Hellerup, Denmark. The Author. 1938
 - Holger Nielsen method of artificial respiration. *Comment on Mijnlieff's article*. [E. von Holstein-Rathlou] *München. med. Wchnschr.* April 18, 1935. *Reply by Mijnlieff*: April 18, 1935
 - Holger Nielsen's Metode for Kunstigt Aandedraet (Holger Nielsen's method for artificial respiration). [Holger Nielsen] *Yrbk. Danish Fishing Fleet* 1938. *Reprint* 6p Hellerup, Denmark. The Author. 1938
 - instructions for Colonel Holger Nielsen's method for artificial respiration. (ii) [Holger Nielsen] 7p Hellerup, Denmark. The Author
 - is Nielsen method of resuscitation fatiguing? [E. von Holstein-Rathlou] *Ugesk. f. laeger*. July 11, 1935
- modification of Nielsen method of artificial respiration. [Cecil K. Drinker and L. A. Shaw] *J. Indust. Hyg.* Nov. 1935
- Nielsen method of artificial respiration. [M. Barsekow] *Leibesübungen*. Dec. 5, 1934
- Nielsen method of artificial respiration. [Danish Life Saving Society] Type-written. 3p Hellerup, Denmark. Holger Nielsen
 - Tests and experiments performed by the Danish Life Saving Society and reported to Colonel Nielsen by Aage Jensen, March 24, 1928.
- principal methods of artificial respiration. [C. Sillevaerts] *Bruxelles-méd.* Dec. 2, 1934
- some remarks on artificial respiration after the Holger Nielsen method. [J. Lindhard] Translation into English from *Ugesk. f. laeger*. 7p Hellerup, Denmark. Holger Nielsen. Nov. 3, 1934
- surer artificial respiration: Nielsen life-saving technique. *Swim. Times*. June 1936
- surer artificial respiration: Nielsen life-saving technique. [F. D. McHugh] *Sc. Am.* Jan. 1936
- PHYSIOLOGY OF, mechanism of resuscitation, [O. Bruns] *Klin. Wchnschr.* Aug. 13, 1927
- methods of resuscitation judged physiologically. [Arthur H. Steinhaus] *J. Health & Phys. Educ.* April 1932
- physiological investigation of rocking method of artificial respiration. [E. M. Killick and F. C. Eve] *Lancet*. Sept. 30, 1933
- PROLONGED. See also Resuscitation, methods
 - continuous artificial respiration, with maintenance of circulation for 12 hours after apparent death. [J. B. Oldham] *Lancet*. Sept. 7, 1929
 - intratracheal method for. [L. and M. B. Brahdy] *Am. J. M. Sc.* Sept. 1929
- PRONE-PRESSURE METHOD. See Schaefer or prone-pressure method
- PULMOTOR. See Resuscitation, mechanical devices for
- ROCKING METHOD. See also Resuscitation, methods
 - artificial respiration by rocking. *J. Am. Med. Assoc.* Dec. 10, 1932
 - rocking method of artificial respiration. [E. M. Killick and F. C. Eve] *Lancet*. Sept. 30, 1933
- ROYAL NATIONAL LIFEBOAT INSTITUTION METHOD. See Resuscitation, history and historical material
- SCHAEFER OR PRONE PRESSURE METHOD.* See also Resuscitation, methods
 - [T. W. Sheffield] *Beach & Pool*. Dec. 1932

* Although these methods are usually considered identical, those who have followed their development state that the prone pressure method has digressed decidedly from Schaefer's.

BIBLIOGRAPHY OF SWIMMING

Resuscitation—Continued**SCHAEFER METHOD—Continued**

- artificial respiration. [Arthur Reynolds Knott] 25c 41p Freeman's J. Co. 1915
- artificial respiration by the prone pressure method. Am. City. July 1928
- comparative value of Schäfer and Silvester methods of artificial respiration. [J. W. Loos] Nederl. tijdschr. v. geneesk. March 31, 1934
- drowning and resuscitation. [Wisconsin State Board of Health] Wisconsin State Board Health. 1923
- fighting death from electrocution, drowning, asphyxiation; Schäfer prone pressure method. (il) Hygeia. Feb. 1928
- how to give artificial respiration by the prone pressure method. [U.S. Public Health Service] 4p Gov. Printing Off. 1928
- justification of use of Schäfer method in first aid resuscitation. [Brix] Monatschr. f. Unfallh. May 1938
- new method combined with Schaefer method. [C. Héderer] Bull. Acad. de méd., Paris. May 14, 1935
- prone pressure method of respiration. Hygeia. March 1934
- prone pressure method of resuscitation. Mod. Med. July 1920
- rescuing and reviving the drowning. [R. E. Maysack] Health. June 1923
- restoring the apparently dead. [T. W. Sheffield] J. Health & Phys. Educ. March 1934
- resuscitation asphyxiation from any cause, by means of artificial respiration by the prone pressure (Schaefer) method, with anatomical details of the method, and complete directions for self-instruction. [Charles A. Lauffer] 2nd ed. enl. 50c 90p Wiley. 1915
- Schaefer method of resuscitation for drowning, electric shock. Mil. Surg. Oct. 1914
- Schäfer method superior to mechanical resuscitation. [V. Henderson] J. Am. Med. Assoc. Oct. 1, 1921
- Schäfer prone pressure method. Hygeia. May 1937
- technic of Schaefer method associated with Héderer inspiratory movement. [C. Héderer] Bull. Acad. de méd., Paris. July 30, 1935
- water first aid and resuscitation by the Dr. Schäfer prone pressure method, the simplest and safest in the world for drowning cases. (il) [T. W. Sheffield] 57p Santa Monica, Calif., 1429 Ocean Front. The Author. 1920

SILVESTER METHOD. See Resuscitation, history and historical material; Resuscitation, methods; Resuscitation, U.S. Coast Guard methods

SWEDISH METHOD. See also Resuscitation, methods

- Swedish method of artificial restoration to life. (il) Sc. Am. Sept. 14, 1912
- TESTS, tests of artificial respiration. J. Am. Med. Assoc. Oct. 14, 1922
- U.S. COAST GUARD METHODS, directions for restoring the apparently drowned, as practiced in the U.S. Life-saving Service. [U.S. Coast Guard] 5c 12p Gov. Printing Off. 1899. 1901. 1909. 1922
- respiration from drowning: U.S. Coast Guards. 5c Gov. Printing Off. 1922
- Reyniers, J. A.** Apparatus for taking samples from different levels. Sc. Jan. 15, 1932
- Reynolds, H. Atwood.** Game way to sports. Swimming, p96-110. \$2 210p Barnes. 1937
- Reynolds, Quentin.** Sonny relaxes. (il) Collier's. June 6, 1936
- They come up swimming; interviews with W. Cooling and Mrs. F. Hoerger. (il) Collier's. June 1935
- Rheins, W. W.** See Jackson, John A. jt. auth.
- Rhode Island State Board of Health.** Regulations for the operation of swimming pools. Free. 6p Rhode Island State Board Health. 1928
- Rice, Emmet A.** Brief history of physical education. 288p Barnes. 1930
- Rice, F., jr.** Needs of the life-saving service. (il) New England Mag. May 1908
- Rice, Grantland.** Sportlights of 1923. \$2 212p Putnam. 1924
- Rice, H. A.** See Steinhause, Arthur H. jt. auth.
- Rice, Wallace de Groat Cecil (comp).** Athlete's garland; a collection of verse of sport and pastime. 245p McClurg. 1905
- Rich, E. D.** Water filtration. Michigan State Dept. Pub. Health. 1917
- and Waterman, E. E. Water chlorination. Michigan State Dept. Pub. Health. 1918
- Richards, H. S.** Several ocean liners have fine swimming pools. Beach & Pool. July 1927
- South Park swimming pool. Beach & Pool. Oct. 1927
- Richardson, B. C.** Instructions in the art of swimming. 51p Ridgway. 1857
- Richardson, Frank Howard.** Learning to save lives; Red Cross Aquatic Schools. (il) Hygeia. July 1937
- Richardson, H. D.** Holiday sports and pastimes for boys. 1s. Orr. 1848
- 17p on Swimming.
- Ricker, L. D.** Swimming as a factor in physical education and health education. Thesis. Univ. Akron. 1930
- Rickett, Reginald.** Will to win. Swim. Times. Aug. 1934
- Rickloff, R. J.** See Osborne, E. D. jt. auth.

Rideal, S. Water and its purification. \$3 Lippincott. 1902

Riding Breakers. See Surf Swimming

Ridington, William Robbins. Minoan-Mycenaean background of Greek athletics. Thesis. Univ. Pennsylvania. 1935; also 94p Philadelphia, Pa. The Author. 1935

Rigal, Georges and Vénard, Louis. La natation moderne enseignée à tous. 78p Delagrave. 1921

Riggin, Aileen. Aquatics: exercise for everyone. (il) Forum. July 1928

Diving for your country. Country Life. July 1922

In the swim. (il) Collier's. May 9, 1931

Modern swimming and diving. \$2 219p Dodd, Mead. 1931

No fish ever died of pneumonia. (il) Am. Aug. 1931

Practical ideas about swimming pools. (il) Country Life. Aug. 1932

Water babies. (il) Good Housekeep. July 1932

Riker, J. R. Outdoor public bathing places. Pub. Health News. Jan.-Feb. 1930; also Pub. Health Nurse. Jan. 1930

— and **Sparmaker, C. W.** Artificial swimming pools and baths. Pub. Health News. 9:300-44. 1924

Riley, Thomas Jerome. Swimming; how, when and where to swim: its progress and place in American sports . . . some of America's great bathing beaches: ancient history of swimming. 1st ed. \$1 114p Blumenberg. 1903

Riley, W. H. Reactions of the body to the short cold bath. Am. J. Surg. June 1928; also Bull. Battle Creek Sanitar. & Hosp. Clin. Aug. 1928

Ringworm. See Diseases, skin

Riordan, J. L. Story of the Bombay ducks. Swim. Times. Aug. 1934

Rip Tides. See Surf Swimming, rip tides

Ripault. Petite école de natation: nage et plongeage. 30p Dijon, France. 1893

Risedorph, A. E. Organization of municipal swimming pools. Thesis. Springfield Col. 1923

Riskey, Earl N. International Olympic diving chart. Chart. Univ. Michigan. 1934

Risquez, J. R. Nota acerca de la esterilización del agua por la variación del pH. Gac. méd. de Caracas. Sept. 15, 1937

Ritter, Cassandra. Bacteriological methods used in state water laboratory. J. Kansas M. Soc. June 1927

Interpretation of bacteriological findings in water analysis. J. Kansas M. Soc. July 1927

Value of thiosulphate-treated bottles for counts on shipped swimming pool samples. J. Am. Water Works Assoc. April 1937

River Pollution. See Water Pollution, of streams, lakes and rivers

Robbe, C. W. Swimming preliminaries that help prevent accidents. Ath. J. June 1935

Robbins, L. C. Care of drowning patient. J. Indiana M.A. July 1935

Robbins, Lillian. Water games. Camps & Camping. p92-6. 1931

Roberts, F. C., jr. Fundamentals of pool sanitation. Swim. Pool Data & Ref. Ann. 6:56-58. 1938

Roberts, H. Armstrong. Fancy diving: camera studies of Miss Aileen Riggin. Country Life. July 1925

Roberts, S. E. Frontal sinusitis with osteomyelitis and frontal lobe brain abscess following swimming. J. Kansas M. Soc. Aug. 1935

Roberts Filter Manufacturing Company. See Bacharach, E. W., and Company, jt. auth.

Robertson, John. Philosophical transactions of the Royal Society, for 1757: an essay toward ascertaining the specific gravity of living men. p30-5. London. 1757

Robin, Albert. Dangers of copper as a water purifier. Philadelphia Pub. Led. Sept. 27, 1904; reprint 4p Philadelphia, Pa. 1904(?)

Robinson, A. C. See Sibley, H. jt. auth.

Robinson, A. M. Bath and the beach; or, All about bathing with instructions how to swim and how to save from drowning. Sampson Low, Marston. 1871

Robinson, J. W. Fallacy of usual tests for swimming pools. California State J.M. Feb. 1922

Joys and dangers of swimming pools. Health. June 1923

Robinson, Louis. Darwinism and swimming: a theory quoted in part under "Instinct of the drowning." Nineteenth Cent. Nov. 1893

Robinson, Tom. How swimmers use their legs. Ath. J. Jan. 1933

International six-beat crawl. Ath. J. Jan. 1934

Swimming, diving and water polo. Ath. J. Oct. 1933

Swimming; how does swimming correlate with physical education? Am. Phys. Educ. Rev. Oct. 1920

Rocking Method of Artificial Respiration. See Resuscitation, methods

Rodgers, M. A. Mental training through motor activity. J. Health & Phys. Educ. May 1933

Rodier, G. See Bonnet, Armand, jt. auth.

Roen, Susan. See Lowman, C. L. jt. auth.

Roger, Nicolas. Essai sur l'art de nager. Encyclop. 1787

Méthode sûre pour apprendre à nager en peu de jours. 36p Legras. 1783

BIBLIOGRAPHY OF SWIMMING

Roger, Nicolas—Continued
Traité de natation; ou, L'art de nager en rivières et en mer, contenant les principes de la natation et la description des appareils et ceintures de sauvetage (orné de nombreuses figures). 2 fr. 144p Delarue. 1881(?)

—**and Thévenot, Melchisedech.** *Nouveau guide des nageurs; ou, Méthode infaillible pour apprendre à nager en peu de jours.* Delarue. 1820(?)

Rogers, Dorothy Dow. Study of the relationship between measures of swimming achievement, fear, motor ability, and rhythm among college women. Thesis. Univ. Iowa. 1934

Rogers, F. R. Competition for girls. Am. Phys. Educ. Rev. March 1929

Olympics for girls? School & Soc. Aug. 10, 1929

Rogers, Henry J. Rogers' Life-saving signal book; or, Appendix to the American code; for the use of life-boat stations and vessels in distress, also for making international communications between vessels of different nations, at sea, or off the coast, during periods of calms, light winds, storms, or rough weather. 70p Rogers; Blunt. 1856

Rogers, Norman H. Canada—again supreme! But Australia breaks records. Swim. Times. Sept. 1934

Rogoff, J. M. See Stewart, G. N. jt. auth.

Roldán y Guerrero, R. Verdunización de las aguas. Bol. de farm. mil. March 1931

Rolence, Anne G. Relative value of three different strokes in teaching high-school girls to swim. Thesis. Northwestern Univ. 1933

Rolt-Wheeler, F. W. Boy with the United States life savers. \$1.50 Lothrop Pub. Co. 1915

Romans, Baths of. See Pools and Bathing Places, Construction of, history and historical material; Pools and Bathing Places, history and historical material

Roorbach, E. Building a swimming pool on a rocky beach. House Beaut. Sept. 1922

Rork, Rozelle and Hellebrandt, Frances A. Floating ability of women. Res. Quart. Dec. 1937

Rose, G. D. and Rowan, L. Studies on swimming pool sterilization. Thesis (undergraduate). Purdue Univ. 1938

Rose, S. L. Philadelphia recreation centers. Am. City. July 1922

Swimming pool sanitation. Sc. Am. Oct. 14, 1916

Rosenthal, H. Is the recreational use of impounding reservoirs permissible? Am. City. Nov. 1928

Rosier, D. Teaching a toddler to swim. (il) Par. Mag. Aug. 1937

Rosztóczy, E. von. Effect of swimming and training on metabolism of persons with and without training. Budapesti orvosi ujság. July 24, 1930

Sportärztliche Untersuchungen; die Nachwirkung des Schwimmens und Ruderns auf den Stoffwechsel während des Trainings und nach dem Training. Arbeitsphysiol. Dec. 16, 1930

Roth, G. M. See Horton, B. T. jt. auth.

Rothacher, J. L. Study of athletic condition in relation to circulation and weight. Thesis. Springfield Col. 1928

Rothers, Guy C. Swimming as a military and naval exercise. Colburn's Mag. Nov. 1886

Roughness in Water Polo. See Polo, roughness

Routledge, George. Handbook of swimming. 64p Routledge. 18-(?)

Rowan, L. See Rose, G. D. jt. auth.

Rowinski, P. Limite di tolleranza glicemica e valore refrattometrico del siero di sangue dopo il bagno di mare. Arch. di sc. biol. July 1928

Il potere vasocostrittore del siero di sangue dopo il bagno di mare e di sole. Boll. d. Soc. ital. di biol. sper. Aug. 1931

Rowley, K. B. Swimming pool policy. J. Phys. Educ. March-April 1936

Royal Humane Society of England. Founded 1774. London. Complete reports of this society can be found in the National Library at the British Museum. Cautions to bathers. Roy. Humane Soc. 1883

Philosophy of drowning. 4p Spottiswoode. 1865

—asphyxia, its nature and remedy. A pamphlet presented to the Royal Humane Society in Jan. 1856

Royal Life Saving Society of England. Handbook of instruction. (il) 1st ed. 1891; 19th ed. 1s. 6d. 200p Roy. Life Saving Soc. 1932

Reports of the Royal Life Saving Society of England. Roy. Life Saving Soc. Issued annually since 1893

—in 1934. [Sidney J. Monks] Swim. Times. June 1935

—life saving throughout the British Empire. [Sidney J. Monks] Swim. Times. Aug. 1934

—Royal Life Saving Society. [A. E. Biscoe] Swim. Times. Aug.-Oct. and Dec. 1936; May, Aug.-Oct. and Dec. 1937

Royal National Lifeboat Institution

—art of swimming with observations on the saving of life, describing in detail the following methods: bellows method; Royal National Lifeboat Institution method in 1857; Sylvester and Hall methods. [Henry Gurr] 6d. 56p Darton & Hodge. 1866; reprints Lea. 1868; Grapho. Co. 1872(?) ; Dean & Son. 1874(?)

—life-boat, and its work, including a history of the National Lifeboat Institution and its regulations. [Richard Lewis] 226p Macmillan & Co. 1874

Royal National Lifeboat Institution Method of Resuscitation. See Resuscitation, history and historical material

Royston, W. H. R. Rowing almanack. Kent. 1862

Rubber for Pool Runways. See Pools and Bathing Places, rubber for pool runways

Ruchhoft, C. C.; Kallas, J. G.; Chinn, B.; and Coulter, E. W. Coli-aerogenes differentiation in analysis. *J. Bact.* June 1931

Coli-aerogenes differentiation in analysis; biochemical differential tests and their interpretation. *J. Bact.* Aug. 1931

Rud, A. M. New splashes in summer sports. *Illus. World.* Aug. 1916

Ruddy, Joe
—Father Neptune's young nephew: Joe Ruddy, patriarch of water-polo. (il) [S. B. Frank] *Lit. Dig.* Jan. 26, 1935
—Joe Ruddy rules this rowdy, murderous game. *News Wk.* March 30, 1935

Rudolph, W. Solving a community swimming pool problem. (il) *Am. City.* Sept. 1937

Ruediger, Gustav F. and Slyfield, Frederick A. Quantitative determination of B. coli in heavily polluted waters: a study of the presumptive tests. *J. Am. Pub. Health Assoc.* Nov. 1911; *reprint* Urbana, Ill. The Authors. 1911

Ruffner, E. L. Swimming pools, simple and satisfactory treatment. *Mil. Surg.* Sept. 1931

Rules for Swimming, Diving and Water Polo. See Officiating, rules for swimming, diving and water polo

Rumpf. Zur Bewertung der Wiederbelebungsmethode. *Zentralbl. f. Gewerbehyg.* April 1929

Runcie, William T. Converting a fresh-water pool into a salt-water pool. (il) *Swim. Pool Data & Ref. Ann.* 5:50-52. 1937

Russel, J. Filtering and cleaning apparatus for swimming baths. *J. Roy. Army M. Corps.* March 1937; *also* *Baths & Bath Engin.* April 1937

Russel, Richard. Dissertation on the use of sea-water, together with a translation of Dr Speed's Commentary on sea-water. 5th ed. 1769

Russell, Charles (tr). Wonders of bodily strength and skill in all ages and all countries. Cassell, Petter & Galpin; Scribner's. 1871
Includes articles on swimming, diving and an interesting combat in the water between Florida Indians and the Spaniards.

Rust in Pool Buildings. See Pools and Bathing Places, Operation of, rust and corrosion

Ruysch-Dowe Dekker, Mme. A. M. International Association for Public Baths and Cleanliness. *J. Am. Assoc. Hyg. & Baths.* April 1927

Ryan, W. C., jr. Literature of American school and college athletics. 305p Carnegie Found. Adv. Teach. 1929

Ryan, William John. Water treatment and purification. (il) 1st ed. 242p McGraw-Hill. 1937

Rybäck, M. Purification of water of Liseberg outdoor swimming pool. *Nord. hyg. tidskr.* 19:87-92. 1938

Ryder, Richard H. Village color-bearer: together with a story of a U.S. Life-saving Service keeper. 200p Patton. 1891

Rzadkowski, W. Schwimmen und Wasserspringen. (Bücherei f. Leibesübungen u. körperl. Erziehg.). Koehler & Volckmar. 1927

S

S., C. W. Treatise of swimming as taught at Berlin in the military college. Oliver. 1846

Sachs, Frank. Complete swimmer. (il, diags) 1st ed. 1912; 2nd ed. 1923; 3rd ed. rev. 10s. 6d. 257p Methuen. 1929

Sachse, Johann David Wilhelm. Nogle historiske bemærkninger til højtideligholdelse af Doberan søbads 50aarige varighed. 32p Bergh & Ellefsen. 1863

Sackett, Ada Taylor. Girl swimmers in Olympics. *Beach & Pool.* Dec. 1935

Safety
See also Cramps; Diving; Life Saving; Regulations; Regulations, state; Teaching
—aquatic field as advised by the Red Cross Courier. *Beach & Pool.* Jan. 1937
—bathing-beach commandments. (il) [E. B. Ehrke] *Good Housekeep.* July 1937
—beach safety laboratory. [W. E. Longfellow] *Beach & Pool.* June 1932
—beachside schools in water safety. [W. E. Longfellow] *Beach & Pool.* Oct. 1936
—conquering the water. [W. E. Longfellow] *Sport St.* July 22, 1927
—Cook County provides safe swimming. (il) [C. G. Sauers] *Am. City.* Jan. 1931
—deep sea-crets. [Marie W. Bishop] *Saf. Educ.* June 1933
—don't do your strutting in the water! Interview with Nita Sheffield. (il) [M. Harrington] *Am.* July 1929
—every day should be water-safety day. [W. E. Longfellow] *Beach & Pool.* May 1934
—fool proofing a swimming pool. [W. E. Longfellow] *Beach & Pool.* Oct. 1935
—good news for swimmers; it's easy not to drown. [Charles B. Scully] *Lit. Dig.* Aug. 1, 1931

BIBLIOGRAPHY OF SWIMMING

Safety—Continued

- good swimmers need common safety rules. *Hygeia*. Sept. 1932
- life guard protection at bathing beaches. *Parks & Recrea.* June 1932
- life saving and water safety. (il) [American Red Cross] 60c 267p. Blakiston. 1937
- life saving and water safety. [Gustave L. Stecher] *Mind & Body*. July 1926
- life-saving: every one should swim by safety rules and know rescue methods (il) *Lit. Dig.* June 5, 1937
- Los Angeles municipal lifeguard service. [George Hjelte and C. P. L. Nicholls] *Beach & Pool*. July-Aug 1936
- making swimming pools safe. [J. G. Tew] *J. Educ.* April 1924
- making swimming safe for the people. [W. B. MacNamee] *Am. City*. July 1924
- modern Good Samaritan. [H. F. Enlow] *Nat. Saf. News*. Oct. 1930
- national group affiliations for water safety. [H. F. Enlow] *Red Cross Cou.* June 1, 1925
- pools, beaches and water safety programs in Southern California. [C. P. L. Nicholls] *Beach & Pool*. Nov. 1937
- qualifying standards for life guards. [Herbert G. Allphin] *Swim. Pool Data & Ref. Ann.* 6:67. 1938
- rules for. [E. Jessup] *J. Am. Med. Assoc.* Dec. 11, 1926
- safety first at the baths [C. J. Lucas] *Swim. Times*. June 1934
- safety first in the water. (il) [Claude Powell Fordyce] *Hygeia*. July 29, 1929. *Condensed Lit. Dig.* Aug. 31, 1929
- safety for swimmers. (il) *Am. City*. June 1935
- safety in athletics. [Frank S. Lloyd, G. G. Deaver and Floyd R. Eastwood] \$3 25 432p Saunders. 1936 *Swimming and diving*, p95.
- safety in swimming. [Ralph W. Beechner] *Ath. J.* June 1937
- safety in the water. *Beach & Pool*. Oct. 1934
- safety in water sports. [F. Nelson] *Hygeia*. May 1937
- safety rules [Y.M.C.A., National Council] Poster. Assoc. Press
- save your own life! Veteran lifeguard tells vacationers how to avoid fatal accidents in the water. [R. Green] *Sat. Eve. Post.* June 27, 1936
- swimmers' safety pledge. [Marie W. Bishop] *Hygeia*. Aug. 1932
- swimming for. [American Red Cross] Free. A.R.C. 1925
- swimming for. [V. Marshall] *Delineator*. July 1915
- swimming preliminaries that help prevent accidents. [C. W. Robbe] *Ath. J.* June 1935
- swimming: standard provisions for safety. [Camp Fire Girls, Inc.] *Section* (p131-4) from *Handbook for Guardians of Camp Fire Girls*. 189p Camp Fire Girls. 1930
- Washington leads the way to safe swimming. *Beach & Pool*. Oct. 1936
- water safety. [W. E. Longfellow] *Beach & Pool*. Oct. 1935
- water safety: life saving and swimming in Chicago and the Mid-West. [Donald H. Barnett] *Beach & Pool*. Oct. 1937
- waterfront protection in Omaha, Nebraska. (map) [J. M. Gillan] *Am. City*. Dec. 1921
- watermanship versus swimming qualification. [R. B. Miller] *J. Am. Med. Assoc.* Aug. 13, 1927. *Review Am. Phys. Educ. Rev.* Dec. 1927
- waterproofing Americans. [W. E. Longfellow] *Am. Phys. Educ. Rev.* June 1928
- what one man learned from a terrible experience. [A Harding] *Am. March* 1923
- AT SEA. See *Life Saving, at sea; Life Saving, U.S. Coast Guard*
- CAMPAIGNS, great safety-in-water-sports campaign, Janesville, Wisconsin. [W. S. Bolles] *Am. City*. June 1929
- IN CAMPS See also *Curricula, camps; Pools and Bathing Places, Sanitation of, in camps; Regulations; Regulations, state*
- Camp Directors Association adoption of the American Red Cross standards. *Aquat.* p15-16. 1931-32
- camp waterfront and safety. [Camp Directors Association] *Camp Life*. March 1931 *Committee report*.
- factors which contribute to camp safety: swimming. [Boy Scouts of America] *Section* (p822-3) from *Handbook for Scoutmasters*, v2 \$1.75 Boy Scouts. 1938
- Girl Scout camps: administration, minimum standards, waterfront safety. [Girl Scouts, Inc.] \$1 270p Girl Scouts. 1934
- organized camp on recreational demonstration projects. *Recrea.* May 1936 *Section on Water safety*.
- rules of big Scout camps. [W. A. Stecher] *Am. Swimmer*. June-Aug. 1922
- safe boat and canoe equipment for camps. [W. E. Longfellow] *A.R.C.* 1932
- safe swims for campers. (il) [P. Jackson] *Hygeia*. July 1933
- safety hints for campers. [Wisconsin State Board of Health] *Wisconsin State Board Health*. 1923
- safety in organized camps. [J. Edward Sanders] Pa. 75c Cloth \$1 133p Nat. Bur. Cas. & Surety Underwr. 1931
- summer camp safety. [H. E. Miller] *North Carolina State Board Health Bull.* June 1927

—swimming and life saving standards for summer camps. [Camp Directors Association, Swimming Committee, and F. W. Luehring] Free. 12p Camp Dir. Assoc. 1920. Rev. 1921. 1922. 1923. 1927. 1928

—swimming: standard provisions for safety. [Camp Fire Girls, Inc.] Section (p131-4) from Handbook for Guardians of Camp Fire Girls. 189p Camp Fire Girls. 1930

—water accident prevention: "The Buddy Plan." [Fred C. Mills] Phys. Train. June 1923

—waterfront hints for Girl Scout camp councils. [Girl Scouts, Inc.] Free. Girl Scouts

—waterfront protection for summer camps. [American Red Cross] Free. A.R.C. Rev. regularly.

—waterfront protection for summer camps. [Fred C. Mills] Phys. Train. June 1920

VALUES. See Safety; Values, safety

Salle, A. J. System for bacteriological examination of water. J. Bact. Dec. 1930

Salmon, J. La javellisation temporaire d'urgence. Ann. d'hyg. Dec. 1930

Salmon, P. M. Swimming and its attendant accomplishments for the use of school teachers and others. 6d. 12p A. T. Clark. 1883
"A short treatise on the art of swimming, diving, etc., which will enable a teacher, male or female, to impart instruction, whether able to swim or otherwise."

Salt-Water Pools. See Pools and Bathing Places, salt-water; Pools and Bathing Places, Sanitation of, salt-water pools

Samain, L. Le "cœur forceé" du sportif. Bruxelles-méd. June 14, 1936

Samples for Water Analysis. See Water Analysis, samples for

San Francisco World's Fair. See World's Fair, San Francisco, 1939

Sander, F. Gasmaskeneinsatz zum Schutz gegen Ertrinkungsgefahr. Zentralbl. f. Gewerbehyg. Sept.-Dec. 1934

Sanders, G. H. One-piece, above-ground pool, Grundy Center, Iowa. (il) Am. City. Aug. 1936

Sanders, H. A. Swimming among the Greeks and Romans. Classical J. June 1925

Sanders, J. Edward. Safety and health in organized camps. Pa. 75c Cloth \$1 133p Nat. Bur. Cas. & Surety Underwr. 1931

Sandon, Frank. This floating business. Swim. Times. June 1935

Sandys, Edwyn W. Advice for beginners. Outing. July 1896

Hill's Athletics and outdoor sports for women. Macmillan. 1903
Chapter on Swimming.

Sanford, S. Swimming pools. Sunset. Oct. 1927

Sanitation of Pools and Bathing Places. See Pools and Bathing Places, Sanitation of

Sapegno, E. See Levi, M. jt. auth.

Sapin, R. Helping children to overcome fear. Par. Mag. Aug. 1933

Sardjito, M. and Bakhoven, W. A. L. Raising rate of filtration of slow sand filter. Geneesk. tijdschr. v. Nederl.-Indië. Oct. 15, 1931

—**Mochtar, A.; and Wirasmo, R. M.** Occurrence of leptospira in field rats in connection with danger of infection while swimming in Rawa-Pening. Mededeel. v. d. dienst d. volksgezondh. in Nederl.-Indië. 26:24-39. 1937

Sargent, L. W. Regarding floats. Am. Phys. Educ. Rev. May 1925

Sarrett, L. R. Knack of learning to swim. Outing. May 1913

Satre, A. Bains chauds et bains froids. Rev. internat. de méd. et de chir. 29:20; 33. 1918

Sauerborn, E. See Pesch, K. L. jt. auth.

Sauers, C. G. Cook County provides safe swimming. (il) Am. City. Jan. 1931

Saunders, G. C. Sinusitis and otitis in swimmers. Am. J. Hyg. July 1929

Savchenko, N. S. Specific dynamic effect of meal consisting mainly of fat, protein or mixture of both, during rest and after physical exertion. Fiziol. zhur. 21:241-49. 1936

Savell, Walter L. Hypo-chlorination of water. Free. Mathieson Alkali Wks. 1934

Sawtell, H. E. K. Raising the standard of English water polo. Swim. Times. Dec. 1934

Sawyer, C. D. Epidermophytosis or athlete's foot. Rhode Island M. J. Aug. 1931

Saxman, Ethel J. Students' use in leisure time of activities learned in physical education in state teachers' colleges. Ph.D. Thesis. 90p Teachers Col. 1926

Sayers, R. R. and Davenport, S. J. Review of literature of physiological effects of abnormal temperatures and humidities. Pub. Health Rep. April 8, 1927

—See Yant, W. P. jt. auth.

Scaife, Wm. B., and Sons Company. See American Playground Device Company, jt. auth.

—See Bacharach, E. W., and Company; Spalding, A. G., and Brothers, jt. auth.

Scarry, John A. Coaching of swimming. J. Health & Phys. Educ. Sept. 1937

Schaafsma, N. D. R. and Davis, F. J. H. Sterilization of water by catadyn method. Mededeel. v. d. dienst d. volksgezondh. in Nederl.-Indië. (no. 4) 21:257-63. 1932

BIBLIOGRAPHY OF SWIMMING

Schaefer Method of Resuscitation. See Resuscitation, Schaefer or prone pressure method

Schaphorst, W. F. How to figure cost of purchased vs. privately pumped water. *Swim. Pool Data & Ref.* Ann. 4:41. 1936

Pool piping hook-up for utilizing exhaust steam. *Swim. Pool Data & Ref.* Ann. 4:41. 1936

When winter comes: winter use of swimming pools. *Beach & Pool.* Sept. 1934

Schappegrell, W. Interesting features of Audubon Park natatorium, New Orleans. (il) *Am. City.* Oct. 1928

Schee, Blythe Helen. Study of the swimming program for women physical education majors in the professional training institutions throughout the country. Thesis. 152p New York Univ. 1932

Schenk, P. Der Einfluss sportlicher Arbeit auf den Körperhaushalt. *München. med. Wchnschr.* Nov. 27-Dec. 4, 1925

Scheppohat. See Erb, K. jt. auth.

Scherer, I. W. Fear psychology in swimming. *J. Health & Phys. Educ.* March 1931

Scherlacher, John. Comparison of methods of teaching beginners to swim. *Springfield Col.* 1932

Schiele, F. Schwimmen, Wasserspringen und Tauchen. (Anleitg. f. d. Unterricht geschlossener Abtlgn. u. Verbände). Koehler & Volckmar. 1933

Schiffman, A. C. Das Ganze der Schwimmkunst für Schwimmschüler und Freischwimmer. Munich, Germany. 1880

Schiller, A. E. Epidermophytosis of hands and feet. *J. Michigan M. Soc.* Nov. 1932

Schinman, Edward P. Clinic speech about modern pools. *Beach & Pool.* Oct. 1937

Recirculating systems. *Beach & Pool.* June 1932

Specifications for the equipment of the Beloit, Wisc., municipal pool. (diag) *Swim. Pool Data & Ref.* Ann. 6:65-66. 1938

Step by step in pool construction and operation. (il) *Swim. Pool Data & Ref.* Ann. 5:32-36. 1937

Schioppa, L. Ricerche sulla depurazione delle acque della piscina di Como. Ann. d'ig. May 1937

Schlegel, M. Meerwasser als Heilmittel. *Fortschr. d. Med.* Sept. 30, 1932

Schlomberg, Benjamin H. ABC of swimming. (il) Pa. \$1 40p Davis-Olivier. 1922

Schloth, M. Fundamentals of swimming. *Nat. Ath.* Feb. 1924

Swimming tests. *Phys. Train.* March 1924

Schmedes, H. Public health aspects of warm water bathing in Denmark. *Nord. hyg. tidskr.* 15:185-99. 1934

Schmelkes, F. C. Oxidation potential concept of chlorination. *Am. J. Pub. Health.* March 1933

Schmelz, V. Sanitary swimming pool. *Sc. Am.* July 18, 1914

Schmid, J. Zur Lehre von der otogenen Ertrinkungsgefahr. *Schweiz. med. Wchnschr.* May 12, 1934

Schmidt and Mühlbach. Beitrag zur Frage des Chlorbindungsvermögens. *Gesundh.-Ing.* Jan. 3, 1931

Schmidt, Eugen S. How to dive. (il) 1s. 46p *Ath. Pub.*

Schmidt, G. Remarks on resuscitation and artificial respiration. *Deutsche med. Wchnschr.* Aug. 14, 1919

Schmidt, L. M. Acute ear disease following swimming. *U.S. Nav. M. Bull.* 4:368-72. 1910

Schmidt, O. Bau und Betriebswirtschaft von öffentlichen Badeanstalten. *Gesundh.-Ing.* Sept. 12, 1925

Schmitz, Dorothy A. Stunts and non-standard dives. *Article from Ath. Handb.* no. 315R. 1930-31

Schneider, D. L. See Tanner, F. W. jt. auth.

Schneider, Edward C. Blood changes and their significance in exercise and training. *Am. Phys. Educ. Rev.* April 1927

Observations on holding the breath. *Am. J. Physiol.* Aug. 1930

— and Crampton, C. B. Respiratory responses of pre-adolescent boys to muscular activity. *Am. J. Physiol.* Dec. 1936

— and Foster, A. O. Influence of physical training on basal metabolic rate of man. *Am. J. Physiol.* Nov. 1931

Schneider, F. C. E. See Drake, C. L. jt. auth.

Schneider, H. Blutdruckmessungen und Volumbolometric während und nach Warmsee-, Moor- und Solbädern. *Ztschr. f.d. ges. phys. Therap.* 42: 236-46. 1932

Schoberg, H. M. See Smith, C. E. jt. auth.

Schoedel, W. See Grossé-Brockhoff, F. jt. auth.

Scholtz, H. G. Versuch einer Beurteilung hydrotherapeutischer Behandlungen durch psychotechnische Methoden. *Balneologie.* April 1938

Schools. See Aquatic Schools; Curricula, school; Meets, interscholastic; Officiating, rules for swimming, diving and water polo; Pools and Bathing Places, Construction of; Pools and Bathing Places, Operation of, in schools; Records; Teaching, in schools; Tests, Tuley High School; Values, for schools and colleges

Schrenk, H. H. See Yant, W. P. jt. auth.

Schroeder, Louis C. Amsterdam Olympic Games. Am. Phys. Educ. Rev. Nov. 1928

First International Y.M.C.A. Athletic Championships. Endrup, Denmark, July 10-17, 1927. Am. Phys. Educ. Rev. May 1928

Notes on VIII Olympiad. Am. Phys. Educ. Rev. Feb. 1925

Schroedter, E. See Klingberg, O. jt. auth.

Schrumpf, A. Methods of artificial respiration. Norsk. mag. f. laegevidensk. Oct. 1934

Schubert, W. J. Save the drowning. Ladies' Home J. July 1923

Schultz, Frederick. Blood pressure in relation to swimming. Thesis. Springfield Col. 1914

Schultze. Über Schwimmhallen und Brausebäder. Centralbl. f. allg. Gsndhtspfl. 24:19-20. 1905

Schwägerl, Martin. Katechismus der Schwimmkunst. 127p Weber. 1880. Last ed. 1901

Schwan, L. A. Is the swimming pool a source of infection? Phys. Train. Feb. 1927

Popularizing the swimming pool. Assoc. Men. Oct. 1920

State sanitary regulation of swimming pools. New York State Dept. Health Bull. Dec. 26, 1927

Schwarz, F. K. T. Zweckmässige Behandlung der Ertrinkungsasphyxie. Med. Welt. May 11, 1935

Schwarze. Ueber Sauerstoff- und Kohlensäure- Inhalationen bei Lebensbedrohlichen Zuständen und im Rettungsdienst. Deutsche med. Wchnschr. April 12, 1929

Schweizer, O. E. Das Stadion der Stadt Wien. Mod. Bauf. Oct. 1931

Schwendener, N. See Williams, J. F. jt. auth.

Schwetz, J. and Kadaner. Sur une épidémie mystérieuse observée en 1932, parmi les Européens de Stanleyville (Congo belge) et en relation avec un bassin de natation. Bull. Soc. Path. exot. 27:354-64. 1934

Der Schwimmer, August 28, 1935 (translated from) Japan conquers U.S.A. Swim. Times. Oct. 1935

—September 4, 1935 (translated from) Kompa sisters. Swim. Times. Oct. 1935

Scofield, C. E. Nasal hygiene: breathing in swimming. Long Island M.J. July 1924

Score Cards. See Officiating; Officiating, judging diving; Tests, record cards

Scotland, Competition in. See Competition, in Scotland

Scott, C. A. Essentials of swimming pool sanitation. Beach & Pool. Feb. 1931; also Pa. \$1 Cloth \$1.50 Lightner. 1931. Rev. 1933

Keeping the swimming pool clean and sterile. Beach & Pool. Sept.-Dec. 1929; also J. Health & Phys. Educ. March 1931

Scott, E. J. My visit to Budapest; Wanted! Young manager to make water polo team to Olympic standards. Swim. Times. Oct. 1937

Scott, Gladys and Tuttle, W. W. Study of the effects of intercollegiate swimming on the sinuses. Res. Quart. March 1932

Scott, J. C. See Bazett, H. C. jt. auth.

Scott, Warren J. Design and equipment features of Connecticut swimming pools. Connecticut Health Bull. Jan. 1926

Survey of Connecticut's shore bathing waters. Am. J. Pub. Health. March 1932

—committee member for 1938. See American Public Health Association, and the Conference of State Sanitary Engineers, Joint Committee on Bathing Places

Sculling Stroke. See Strokes; Teaching

Scully, Charles B. Advantages of Red Cross Institutes. Beach & Pool. July 1932

Good news for swimmers; it's easy not to drown. Lit. Dig. Aug. 1, 1931

Why drown? (il) Sat. Eve. Post. July 12, 1930

—See Drew, Lillian C. jt. auth.

Scum Removal. See Pools, Artificial, Care of, scum removal

Sea. See Life Saving, on coast; Safety, at sea; Surf Swimming

Sea Baths. See Spas; Thalassotherapy

Seaman, Wm. H. committee member. See Chemical Society of Washington

Searl, H. H. Girl of the month, K. Rawls. (il) Good Housekeep. April 1938

Sears, P. B. Crises under water; reply to D. Tomlinson. Sc. (new series). Jan. 24, 1936

Sebille, G. F. Municipal swimming pools, Paris. Am. Inst. Architects J. July 1924; also Engin. & Contract. June 24, 1925

Sediment Removers. See Pools, Artificial, Care of, suction sweeping

Seelye, E. E. Engineering features of a modern gymnasium; Payne Whitney Gymnasium at Yale University. Engin. News Rec. Aug. 24, 1933

Seemann, W. H. Swimming pools and infection. New Orleans M. & S. J. July 1923

Sehrt, E. Das Ertrinken (Physiologie, Behandlung, Unfallbegutachtung). Med. Klin. Nov. 30, 1934

Die heutigen Rechtlinien der Behandlung der Ertrinkung. Zugleich eine Umfrage. München. med. Wchnschr. July 26, 1935

Neuere Erkenntnisse über den Vorgang des Ertrinkens und die Behandlung Ertrunkener. Deutsche med. Wchnschr. July 6, 1934

Seidel, O. M. Das Schwimmen. 62p Raschte. 1886

Seinfel, R. How's your form? (il) Indep. Woman. July 1937

Swim to beauty. (il) Collier's. July 20, 1935

Self Instruction. See Teaching, self instruction

Self-Preservation from Drowning. See Drowning, prevention of

Seligmann, E. Germany adopts modern architecture for swimming baths. (il) Am. City. Aug. 1930

Selle, J. New method of treating plantar warts. Urol. & Cutan. Rev. June 1932

Sensations in Drowning. See Drowning, sensations in

Serrano, R. T. Diving into the past. Swim. Times. Feb. 1937

Sewage. See Pools and Bathing Places, Sanitation of, protection from sewage

Shaffer, L. W. Skin infections and public bathing places. J. Am. Assoc. Hyg. & Baths. April 1932

Sharp, W. P. Making water safe for swimmers. Hygeia. Feb. 1925

Shaw, F. R. Development and present trend in swimming pool sanitation. J. Am. Assoc. Hyg. & Baths. March 1931; also Beach & Pool. May 1931; also Municipal Sanit. June 1931

Ellsworth, 21,000 population, builds a municipal swimming pool. Am. City. June 1924

Institutional and other small water-treatment plants to meet unusual conditions. (plan, diags) Am. J. Pub. Health. May 1937

Trend in swimming pool sanitation. Canad. Engin. May 26, 1931

Trends in bathing beach and swimming pool sanitation. Canad. Pub. Health J. April 1932

Use of copper sulfate in swimming pools. J. Am. Med. Assoc. June 13, 1931

Kehr, R. W.; and Matthews, E. T. Hypochlorite feeding device for water purification. Am. J. Pub. Health. Oct. 1933

Shaw, John S. Sanitary swimming pool. J. Health & Phys. Educ. March 1932

Shaw, L. A. See Drinker, Cecil K. jt. auth.

Shay, C. T. Progressive part vs. whole method of learning motor skills. Res. Quart. Dec. 1934

Sheffield, Lyba, and Nita. Swimming. Section (p115-29) from Health through Leisure-time Recreation, by Edith M. Gates. \$1.50 216p Womans Press. 1931

Swimming simplified. (il) 1st ed. 48p Univ. California Press. 1919; 2nd ed. 48p The Authors. 1921; 3rd ed. \$2 297p Barnes; Lib. Press. 1927

Sheffield, T. W. Analysis of swimming strokes in recent competition. Am. Swimmer. Nov.-Dec. 1923

Crawl stroke and evolution, mechanical and anatomical research. Beach & Pool. Aug. 1934

Crawl vs. breast stroke. Swim. Aug. 1925

XI Olympiad, Berlin. Beach & Pool. Feb. 1936

Everyone from 7 to 70 can learn the crawl stroke. Swim. Times. June 1937

Evolution in speed swimming. (diags) Beach & Pool. April 1937

Evolution of the crawl stroke. Beach & Pool. Feb.-March 1935

How long? Beach & Pool. March 1932

Inhalation: sustained lung inflation via quick lung deflation in long and short distance swimming. Beach & Pool. Jan. 1937

Mechanics in life saving. Beach & Pool. May-June 1936

Pointers in teaching the crawl stroke. Beach & Pool. June 1934

Prone pressure method of resuscitation. Beach & Pool. Dec. 1932

Restoring the apparently dead. J. Health & Phys. Educ. March 1934

Speed swimmers. Am. Swimmer. Aug. 1923

Supremacy of the crawl stroke. 50c 56p Santa Monica, Calif., 1429 Ocean Front. The Author; Neuner. 1917

Swimming culture. (il) 35c 110p Santa Monica, Calif., 1429 Ocean Front. The Author; Neuner. 1915

Swimming in all its branches. (il) \$2.50 203p Santa Monica, Calif., 1429 Ocean Front. The Author; Phillips. 1924

Swimming pool sanitation. Nation's Health. Oct. 1923

Training speed swimmers. Am. Swimmer. Sept. 1923

Water first aid and resuscitation by the Dr. Schäfer prone pressure method, the simplest and safest in the world for drowning cases, electric shocks and asphyxiation. (il) 57p Santa Monica, Calif., 1429 Ocean Front. The Author. 1920

Shephard, D. A. C. Water polo. 25s. 6d. Chapman & Hall. 1930

Shephard, S. S. Wading pool for Boston. Am. City. Nov. 1935

Shi, K. See Miyama, A. jt. auth.

Shimmin, W. R. Swimming for schoolboys. 4d. Nat. Assoc. Schoolmasters. 1932

Shipman, S. S. Sports in the Soviet Union. Cur. Hist. Dec. 1937

Shirley, William R. Underlying principles of design, construction and sanitation. Swim. Pool Data & Ref. Ann. 5:31-32. 1937

Shower Baths

See also Pools and Bathing Places, Construction of; Pools and Bathing Places, Equipment for; Pools and Bathing Places, Operation of; Pools and Bathing Places, Sanitation of

—[M. Peppe] *J. Health & Phys. Educ.* May 1930

—are warm water showers necessary? [Jantzen Swimming Association] Free. Jantzen. 1938

—automatic shower control. *Baths & Bath Engin.* April 1938

—concerning swimming pools and showers. [Schultze] *Centralbl. f. allg. Gsndhtspfl.* 24:19-20. 1905

—correct shower bath. [Simon Baruch] *J. Am. Med. Assoc.* June 1918

—economy and efficiency in. [Edgar B. Allbaugh and Oren Thomas] *Am. School Board J.* Jan. 1931

—modern shower bath construction: "Colorpavets" tiles. *Baths & Bath Engin.* May 1937

—portable. (il) [T. M. Beadenkoff] *Surv.* July 31, 1909

—practical municipal shower bath at Frankfurt a. Main. [M. Nowotny] *Gesundh.-Ing.* Jan. 1, 1927

—pre-cleansing of persons using the pool. [Tom Lindley] *Baths & Bath Engin.* May 1938

—shower baths and swimming pools in schools. [E. R. Coni] *Semana méd.* 26:145. Feb. 6, 1919

—shower equipment for decontamination. *Baths & Bath Engin.* May 1938

Shryock, J. K. Comparison of methods. *Beach & Pool.* Feb. 1936

Shuey, J. S. Sanitary control of pools. *Swim. Pool Data & Ref. Ann.* 3:24-26. 1935

Swimming pool sanitation. *J. Am. Assoc. Hyg. & Baths.* 14:19-25. 1930

Swimming pool sanitation. Ohio State M. J. Sept. 1929

Shuncliff, S. N. Formal vs. the naturalistic swimming pool. *Sportsman.* July 1934

Pool supplants the old swimming hole. *Sportsman.* May 1934

Shuster, G. N. Olympic Games. Commonwealth. Aug. 9, 1935; also *Lit. Dig.* Aug. 10, 1935

Shwachman, H. See Horwood, Murray Philip, jt. auth.

Sibley, H. Backyard swimming pool. (il, diag, plan) *Pop. Mechanc.* June 1929

Family swimming pool built in back yard. (il, diag) *Pop. Sc.* June 1934

—**and Robinson, A. C.** *Swim in your own back yard: with working drawings.* (il) *Am. Home.* June 1937

Side Stroke. See Life Saving; Strokes; Teaching

Sieg, Jack. See Armbruster, David A. jt. auth.

Siegrist, A. Ueber Trachom (ägyptische Augenentzündung) mit besonderer Berücksichtigung deso Einschlus-blennorrhoe der Neugeborenen und der Schwimmbad-Conjunctivitis. *Schweiz. med. Wchnschr.* March 1928

Sieveking, G. H. Das Reinigungsverfahren des Wassers öffentlicher Schwimm-badehallen. *Fortschr. d. Med.* June 26, 1931

Sikes, E. S. Hygienic, postural and recreational values of swimming. *Swim.* Feb. 1925

Sillevaerts, C. Les principaux procédés de respiration artificielle. *Bruxelles-méd.* Dec. 2, 1934

Silva, R. Consideraciones respecto a la conjuntivitis de piscina. *Gac. méd. de Mexico.* Sept. 1928

Silver, Arthur P. Canadian Life Saving Service of Sable Island, Nova Scotia. *Chambers's J.* 1904(?)

Silver in Water Purification. See Water Purification, silver in

Silverio, Gonzalo. Improvement of aquatics in Cuba. (il) *Beach & Pool.* Jan. 1938

Silvers, S. H. See Levin, O. L. jt. auth.

Silvester, Henry R. Asphyxia. *M. Times & Gaz.* 1857(?)

True physiological method of restoring persons apparently drowned or dead and of resuscitating still-born children. *M. Times & Gaz.* v 15. 1857; *re-print* John Churchill. 1858; 3rd ed. 20p 1863

Simas, Mae B. Bacteriology of swimming pools. Thesis. Univ. Nevada. 1932

Simon, C. F. Quantitative test for albumin in swimmers. Thesis. Springfield Col. 1923

Simonelli, G. I meccanismi nervosi del nuoto studiati nel gatto (ricerche sperimentali). *Arch. di fisiol.* Oct.-Dec. 1927

Simons, G. W. Sanitary control of a public swimming pool. (il, diag) *Am. J. Pub. Health.* March 1921

—committee chairman for 1925. See American Public Health Association, and the Conference of State Sanitary Engineers, Joint Committee on Bathing Places

Simonson, E. Ein neuer Respirationsapparat. *Med. Welt.* Aug. 3, 1929

Sinclair, Archibald. Breast and back strokes—uses and health giving values. *Swim.* Jan. 1918

Swimming. 96p 1894; new and rev. ed. 148p Routledge; Dutton. 1909

Swimming as a recreation. *Windsor Mag.* June 1895

Swimming: the oval series of games. 96p Routledge. 1894

—**and Cook, Arthur (eds).** *Swimming handbook.* (Pastime Series). 75p Pastime. 1890

Sinclair, Archibald—Continued

—**and Henry, W.** Swimming. (The Badminton Library of Sports and Pastimes). (il) 1st ed. 1893. 2nd ed. 1894. Sixth impression. 1908; \$3.50 Longmans. 1916

—**Holland, C.; and Henry, W.** Encyclopaedia of sports and games. Heinemann. 1899. 1911
Ed. by Earl of Suffolk and Berkshire.

—**See Daniels, Charles M.** jt. auth.

Singleton-Green, J. Limestone aggregate and watertight concrete. Baths & Bath Engin. Feb. 1938

Sinus Infections. See Diseases, sinusitis

Sjolin, K. E. Teaching of high diving. (diags). Mind & Body. May 1933

Skiing, Water. See Recreational Swimming, skiing

Skin Diseases and Infections. See Diseases, skin

Skinner, George A. How to remain healthy and happy if you're going swimming. (il) Hygeia. July 1935
Ilkley open-air bathing pool, with special reference to gas heating. Baths & Bath Engin. Dec. 1936

Slater, J. H. Water polo as a competitive and league sport. Phys. Train. Feb. 1923

Sleger, E. M. Calcium hypochlorite for Lyster bags. U.S. Nav. M. Bull. Jan. 1927

Slifer, George B. How long does it take to learn swimming? Mind & Body. Feb. 1925

Slobozianu, H. Reports on sea bathing and sea climates; Rumania. Arch. M. Hydrol. Jan. 1933

Slyfield, Frederick A. See Ruediger, Gustav F. jt. auth.

Smeeton, G. Art of angling with The art of swimming. 64p London. The Author. 1820(?)

Smellie, A. R. Improved type of pump for artificial respiration. J. Physiol. Oct. 23, 1929

Smiley, D. F. Every one a life saver. Nation's Health. Aug. 15, 1925

Smith. See Childs, jt. auth.

Smith, Ann Avery. Aids to efficient swimming instruction for girls and women. J. Health & Phys. Educ. Sept. 1931; also News J. May 1931

Big-Ten telegraphic swimming meet. Sportswoman. June 1931

Crawl form swimming rating scale. Water Sports. p36-43. 1935-36

Diving exercises. Aquat. p43-44. 1931-32

Form swimming rating scales. Mimeo. 50c Detroit, Mich., Wayne University. The Author. 1934

1934 National Intercollegiate Telegraphic Swimming Meet. Water Sports (Supp). p20-1. 1934

Practical hints to teachers. Am. Phys. Educ. Rev. 34:356-60. June 1929

Rating of the swimming ability of women at the University of California. Thesis. 129p Univ. California, Berkeley. 1932

Results of questionnaires on the teaching of swimming in 14 accredited colleges. Mind & Body. June 1928

Swimming and plain diving. \$2 247p Scribner's. 1930

Swimming department reference material. Mimeo. 35c Detroit, Mich., Wayne University. The Author. 1935

Teaching of swimming and diving to women. J. Health & Phys. Educ. Feb. 1934

Teaching swimming. Am. Phys. Educ. Rev. June 1929

Teaching the crawl and back crawl. Aquat. p21-5. 1931-32

Water sports news. J. Health & Phys. Educ. April 1936

Smith, Bertha H. Health and recreation for city children. Craftsman. Sept. 1905
Municipal baths in the United States. (il) Chautauquan. March 1905

Smith, C. A. Selling water softening to the public. Am. City. April 1936

Smith, C. E. and Schoberg, H. M. Sanitation of swimming pools—preliminary survey of local conditions. Am. J. Pub. Health. June 1918

Smith, E. M. Underwater therapy in chronic arthritis. Arch. Phys. Therapy. Sept. 1935
Underwater therapy in treatment of chronic arthritis. J. Arkansas M. Soc. Feb. 1936

Smith, E. T. Watch out America; new pool Milan, Italy. Beach & Pool. Aug. 1934

Smith, Fitz-Henry, jr. Storms and shipwrecks in Boston Bay and the record of the life savers of Hull. 60p Boston, Mass. The Author. 1918

Smith, H. A. History and significance of tests in physical education. Thesis. Univ. Akron. 1928
Swimming, Chapter 3.

Smith, H. L. "Athletic heart," an unfortunate term. Proc. Staff Meet, Mayo Clin. Feb. 20, 1935

Smith, H. T. Large modern swimming pool opened at Urbana, Illinois. Beach & Pool. Sept. 1927

Smith, Harold "Dutch"
—Harold "Dutch" Smith tour 1936. [P. H. Beveridge] Swim. Times. Oct. 1936

Smith, Harry. Teaching beginners to dive. Free. Boise Y.M.C.A.

Smith, J. I. Percentage tables for proficiency swimming. Mind & Body. March-April 1914

Smith, James R. History and development of water polo. (tables, bib) Thesis. 156p Univ. Southern California. 1935

Intercollegiate diving and rapid computator score book. \$1 Intersch. Sports Pub. Co. 1938

Intercollegiate swimming score book. \$1 Intersch. Sports Pub. Co. 1938

Interscholastic diving and rapid computer score book. \$1 Intersch. Sports Pub. Co. 1938

Interscholastic swimming score book. \$1 Intersch. Sports Pub. Co. 1938

Playing and coaching water polo. \$2.50 Intersch. Sports Pub. Co. 1938

Smith, Laura Rountree. Two hundred games that teach. \$1 Beckley-Cardy. 1923

Smith, Mabel S. C. Life saving classes in Syria. Mind & Body. July 1926

Smith, Marion G. and Hicks, Betty. Mermaids' plight: a briny tale. J. Health & Phys. Educ. Jan. 1937

Smith, S. Recipe for swimming. (il) Woman's Home Comp. July 1934

Smith, Sanderson. Swimming is fun. (diags) \$2 Morrow; McClelland. 1936

Smith, V. T. Summary of published opinion on school ventilation. Am. School Board J. Aug. 1931

Smith, W. W. Swimming pool in the garden. Suburb. Life. July 1911

Smith, William (comp). Swimming club directory for the United Kingdom. 88p Llandudno Club. 1885
"Containing a list of upwards of 200 clubs, committees, etc., metropolitan and provincial championships, champions and captains of clubs, the names and addresses of honorary secretaries, London and provincial baths, amateur and professional records, remarkable performances, laws of amateur swimming, rules for water polo, methods of restoring the apparently drowned, temperature of air and water, hints on bathing."

Smith, Zona Ellen. Dictionary of athletic and aquatic activities. Thesis. Peabody Col. 1931

Snapp, E. A. Drill for swimming pool. J. Health & Phys. Educ. Sept. 1929

Snapper, I. and Grünbaum, A. A. Lactic acid excretion through urine and sweat in various kinds of sport. Nederl. tijdschr. v. geneesk. March 16, 1929

Snelgrove, E. Copeland. Control of ground water under swimming pool floors. Baths & Bath Engin. March 1937
Special circulation for a particular case: regurgitation to prevent the "rooting" of algae. Baths & Bath Engin. Nov. 1937

Snyder, Alonzo. Hip-knee-ankle foot-propelling drive kick. Beach & Pool. Aug. 1937

Snyder, C. D. Real winners of the 1936 Olympic Games; events reevaluated on a population basis. (tables) Sc.M. Oct. 1936

Soccer, Water. See Polo, soccer

Social Demand for Swimming. See Recreational Swimming, leisure use

Societies. See Associations

Society for Political Study of New York. See Judge, Winifred Elizabeth

Softening of Water. See Water Softening

Sohat, T. Swimming for women. Country Life. Aug. 1919

Soldiers. See Military Use; Military Use, historical material

Solon, Leon V. Spalding swimming pool at Dartmouth College. (il) Architect. Rec. Sept. 1921

Soper, George A. Ozonization of water. J. New England Water Works Assoc.; reprint 19p New London, Conn. The Author. 1900 (?)

South Africa, Competition In. See Competition, in South Africa

South Carolina State Board of Health. Swimming pools. Free. 8p South Carolina State Board Health. Sept. 1937

South Dakota State Board of Health. General policies relative to artificial outdoor swimming pools. Free. 9p South Dakota State Board Health. 1933
Public health laws and regulations. Free. 204p South Dakota State Board Health. 1933

Southwest Pennsylvania Aquatic Conference
—bacteriology, instruction, demonstrations and general aquatics featured during. [Nathan H. Kaufman] Beach & Pool. Feb. 1938

Soutter, C. La dilution du sang chez les noyés. Revue critique. J. de méd. de Lyon. Nov. 20, 1934

Soyer, H. Les agents de filtration. Nature. Nov. 1, 1932

Spain, C. L. Making effective use of the swimming pool. Am. School Board J. Aug. 1930
Swimming pool planned to serve 2,600 pupils. Nation's Schools. March 1933

Spain, Competition in. See Competition, in Spain

Spalding, A. G., and Brothers; American Playground Device Company; Chicago Hardware Foundry Company; General Utilities Manufacturing Company; Everwear Manufacturing Company; Medart, Fred, Manufacturing Company; Page Fence Association; Play Equipment Company; and Scaife, Wm. B., and Sons Company. Swimming pool equipment, Municipal Ind. p520-1; 526; 530; 727-31; 744-5; 750; 758; 770. 1930
—See American Playground Device Company, jt. auth.

Spalding School, Corrective Swimming Program. See Corrective Swimming, institutions

Sparks, Leroy. Progressive system of swimming. Wellington Y.M.C.A. 1902

Sparmaker, C. W. See Riker, J. R. jt. auth.

BIBLIOGRAPHY OF SWIMMING

Spas and Mineral Baths

See also Diseases, history and historical material; Thalassotherapy

- baths of Moldavia and similar Rumanian resorts. [G. Tudoranu] *România med.* June 15, 1937
- Dorton: a forgotten spa and its waters. [C. A. Mitchell] *Discovery*. Feb. 1927
- effect of bathing in Great Salt Lake on metabolism. [H. A. and H. I. Mattill] *Am. J. Physiol.* Aug. 1916
- effects of carbonic acid baths at Krynica. [E. Ehrenpreis] *Polska gaz. lek.* May 23, 1937
- healing fountains and baths. [Durand] *Paris méd. (annexe)*. Sept. 19, 1936
- hydromineral baths; chemical action. [A. de Mello e Souza] *Ann. paulist. de med. e cir.* Oct. 1937
- immediate effects of Bourbonne baths on arterial circulation (blood pressure) and sympathetic nervous system. [L. Merklen, R. Grandpierre and M. Vidacovitch] *Bull. Acad. de méd., Paris*. June 15, 1937
- incorporation of medicated baths with municipal undertakings. (il) [J. W. Wright and R. V. Hirst] *Baths & Bath Engin.* June 1937
- influence of Säuve-Basenhaushalt as a means of cure. [H. Dennig] *Zentralbl. f. inn. Med.* Feb. 13, 1932
- mechanism of production of crisis during hydromineral cure. [I. Daniel] *România med.* Aug. 1937
- poliomyelitis treated in thermal baths of S. Agnese in Bagno di Romagna. [A. Bussi] *Riforma med.* Aug. 2, 1926
- Saratoga mineral springs and baths. [C. A. Freiberg] *J. Am. Assoc. Hyg. & Baths.* 12:31-36. 1929
- Saratoga spa: its aims and existence. *Beach & Pool.* Nov. 1936
- spa as national asset in maintenance of physical fitness. [Horder] *M. Press.* Dec. 8, 1937; also *J. Roy. Inst. Pub. Health & Hyg.* Feb. 1938
- spa treatment of arthritis. [W. T. Wootton] *South. Med. J.* Sept. 1937
- therapeutic factors of Hévíz baths. [K. Moll] *Budapesti orvosi ujság.* June 10, 1937
- thermal baths in hypertension. [A. Bussi] *Gazz. d. osp.* Jan. 16, 1938
- treatment of arthritis in health resorts. [R. Müller] *New York State J. Med.* Feb. 1, 1938
- Zotofoam baths. *Baths & Bath Engin.* Feb. 1937

CONSTRUCTION OF. See Pools and Bath-Places, Construction of, spas

HISTORY AND HISTORICAL MATERIAL. See also Diseases, history and historical material

- cautions concerning cold bathing and drinking the mineral waters. [William Buchan] 20p London. 1786
Added as Chapter 9 to His Domestic Medicine.

—thermal baths of Bath: their history, literature, medical and surgical uses and effects, together with the Aix massage and natural vapour treatment. (map, plates, plans) [Henry William Freeman] 379p Hamilton, Adams. 1888

Spastic Paralysis. See Corrective Swimming, for spastic paralysis

Spaulding, Russell. Report on the application of ozone to water purification. 45p New York State Dept. Health. 1913

Spears, John R. Development of the United States Life Saving Service. *New York Times.* June 24, 1904
Heroes of the surf. *Outlook.* March 7, 1903

Heroines of the surf. *Harper's Baz.* Aug. 18, 1900

Specific Gravity. See Floating, specific gravity

Specifications for Equipment. See Pools and Bathing Places, Equipment for, specifications for

Spector, Bertha Kaplan; Baylis, John R.; and Gullans, Oscar. Effectiveness of filtration in removing from water, and of chlorine in killing, the causative organism of amoebic dysentery. (il, tables) 16p Gov. Printing Off. 1934

Spector, M. G. Leader's swimming club for business girls and women. *Recrea.* June 1932

Speed, Dr. See Russel, Richard

Speed Swimming

See also Champions; Coaching; Competition; Distance Swimming; Meets; Officiating; Officiating, rules for swimming, diving and water polo; Olympics; Physiological Aspects; Records; Respiration; Strokes; Teaching

- [Charles M. Daniels, L. de B. Handley and Otto Wahle] Pa. 25c 90p Am. Sports Pub. 1914. 1919. 1920. 1926
- [L. de B. Handley] *Outing.* Aug. 1906
- [L. de B. Handley] *Outing.* July 1913
- evolution in. (diags) [T. W. Sheffield] *Beach & Pool.* April 1937
- evolution of strokes for. [Virginia Ar-buckle] Thesis. 82p West Virginia Univ. 1936
- form in. [T. H. Cohen] *Ath J.* March 1935
- German swimming and diving technique. *Swim. Times.* May 1935
- go your own pace: an interview with Clarence Pinkston. [Franklin M. Reck] *Am. Boy.* Aug. 1933
- how not to swim faster. (diag) [Peter V. Karpovich] *Sc. Am.* April 1934
- influence of American technique on Canadian speed swimming. [Norman Cox] *Swim. Times.* Feb. 1935

- natural laws of. [Norman Cox] \$1 53p Vancouver, B.C., 921 Pacific St. Thomas F. Cox. 1933
- natural laws of. [Norman Cox] *Swim. Times*. June, July, Sept., Oct. and Dec. 1934 and May, June and Sept. 1935
- relationship of respiration to efficiency. [T. K. Cureton, jr.] *Res. Quart.* March 1930
- Sonny relaxes. [Quentin Reynolds] *Collier's*. June 6, 1936
- speed and skill in swimming. [Robert J. H. Kiphuth] *Scholastic C.* Nov. 1932
- speed in the water. [J. Lippert] *Scholastic*. March 2, 1935
- speed swimmers. [T. W. Sheffield] *Am. Swimmer*. Aug. 1923
- stop watch method for testing the efficiency of speed swimmers. [T. K. Cureton, jr.] *Beach & Pool*. Feb. 1930
- study of speed and heart size as related to endurance in swimming. [William James Moyle] Thesis. Univ. Iowa. 1936
- swimming for speed: the crawl-stroke. (il) [W. J. Howcroft] Pa. 6d. 24p Essex, Eng., 48 St. Johns Road, Seven Kings. The Author. 1935
- symposium on training for. [F. W. Luehring] *Swim. Guide*. p63-87. 1916-17
- two torpedoes in a tank. (il) *Lit. Dig.* April 13, 1935
- AMERICAN AND JAPANESE.** See also *Strokes, crawl*
- American and Japanese swimming strokes. *Mind & Body*. Nov. 1934
- Americans, Japanese, and swimming. [Ben Grady] *J. Health & Phys. Educ.* April 1934
- relative merits of the Japanese and American strokes. [L. de B. Handley] *Swim. Times*. July 1935
- we must learn to swim with Japanese. [R. W. Bremner] *Beach & Pool*. July 1934
- ANALYSIS OF.** See also *Strokes*
- [Peter V. Karpovich] *Sc. Am.* March 1930
- analysis of strokes in recent competition. [T. W. Sheffield] *Am. Swimmer*. Nov.-Dec. 1923
- analysis of the swimming of Borg and Weissmuller. *Ath. J.* March 1926
- COACHING.** See *Coaching; Speed Swimming*
- ENDURANCE TEST.** [T. K. Cureton, jr.] *Res. Quart. (Supp.)*. May 1935
- RESISTANCE.** See also *Speed Swimming; Strokes; Teaching*
- resistance of water as a limiting factor of speed. [Lee D. Jaeger] Thesis. Univ. Iowa. 1937
- speed and power of ships. [David W. Taylor] \$2.50 307p *U.S. Maritime Commission*. 1910. 1933
- water resistance in swimming. [Peter V. Karpovich] *Res. Quart.* Oct. 1933
- water resistance to body in swimming. [R. du Bois-Reymond] *Arch. f. d. ges. Physiol.* 216:770-73. 1927
- Spektor, E. M.** See Koschkin, M. L. jt. auth.
- Spencer, Roscoe Roy and Letton, H. P.** New water sample shipping case with some observations on the changes that take place in stored samples of water. (il) 8p *Gov. Printing Off.* 1917
- Spiegel, M.** Developing "natural" swimming pools. (il) *Am. City*. April 1933
- Spiegelberg, O.** Das Badehaus der Mauserwerke A.—G. in Oberndorf. *Gesundh.-Ing.* 48:289. 1925
- Richtlinien für den Bau sportgerechter Schwimmäder. *Gesundh.-Ing.* 48: 294-301. 1925
- Sprunganlagen in Schwimmanstaltan. *Gesundh.-Ing.* 48:481-86. 1925
- Spindler, Evelyn.** Do you grade or guess? *J. Health & Phys. Educ.* Oct. 1931
- Sponberg, Frederick A.** How to judge fancy diving. *Downtown Ath. Club Mag.* Nov. 1935
- Suggestions for judging fancy diving. *Scholastic C.* May 1934; also *Beach & Pool*. July 1935
- Suggestions for judging fancy diving. *Beach & Pool*. May 1937
- Spoon, J. J.** Swimming pool design and construction; *Larchmont Sports Club, Larchmont, New York*. *Am. Land. Architect*. April 1930
- Sport Disease.** See *Diseases, sport disease; Physiological Aspects, stomach*
- Spring, D.** Effect of chlorinated swimming-pool water on fungi of toe ring-worm. *Am. J. M. Sc.* June 1935
- See Gilman, R. L. jt. auth.
- Springboard Diving.** See *Diving, springboard*
- Springboards.** See *Diving, boards*
- Springfield College.** Ventilation studies. *Am. Phys. Educ. Rev.* Dec. 1913
- Springorum, W.** See *Grosse-Brockhoff, F.* jt. auth.
- Spry, Frederick Josiah.** Design and operation of swimming pools. Thesis. *Cornell Univ.* 1929
- Squire, C. R.** Genetic study of rhythm. *Am. J. Psychol.* 12:no.4. July 1901
- Stace, A. W.** Life-savers. (il) *St. Nichol.* Nov. 1908
- Stafford, Jane.** Greeks used modern swimming stroke. *Sc. News Letter*. Nov. 10, 1928
- Stagg, A. A.** committee member. See *National Collegiate Athletic Association*
- Stahmer, Dorothy Lillian.** Whole versus the part method in the teaching of swimming. Thesis. *Univ. Illinois.* 1932
- Staley, Seward C.** Curriculum in sports (physical education). \$2.50 373p *Saunders*. 1935

BIBLIOGRAPHY OF SWIMMING

Standards. See Life Saving, standards for summer camps; Pools and Bathing Places, Construction of, standards for; Pools and Bathing Places, Equipment for, standards for; Regulations; Regulations, state; Tests

Stanton, Margaret. How a high diver feels hurling through space. *Am. Swimmer*. Feb. 1923

Starkey, T. A. Electrical treatment of water. *J. Am. Med. Assoc.* March 1916

Starling, Ernest H. Improved method of artificial respiration. *Am. J. Physiol.* March 18, 1926

Starr, Lee L. Analysis of the breast stroke. *Swim. Pool Data & Ref. Ann.* 4: 42-43. 1936

Starts and Turns, Racing
See also Coaching; Speed Swimming; Strokes; Teaching

- importance of starts and turns. [Albert C. Gordon] *Beach & Pool*. March 1938
- Kiefer backstroke turn. (il) *Swim. Times*. Feb. 1938
- Kiefer turn. *Swim. Times*. Dec. 1935
- men and methods;—the Kiefer turn. *Swim. Times*. Dec. 1935
- new "starting" law. [Allen J. Perring] *Swim. Times*. Feb. 1937
- racing plunge: a new aspect. [Carl Wootton] *Swim. Times*. Dec. 1933
- study of the optimum time for holding a swimmer on his mark. [Harold Ducke Oaks] Thesis. Univ. Iowa. 1936

State Programs for Recreational Swimming. See Recreational Swimming, programs

State Regulations. See Regulations, state

Status of Equipment in 100 High Schools. See Pools and Bathing Places, Equipment for, status of

Steam for Water Purification. See Water Purification, steam for

Stecher, Gustave L. Life saving and water safety. *Mind & Body*. July 1926

Swimming. *Mind & Body*. April 1927

Stecher, W. A. Swimming pools in public schools. *Mind & Body*. Nov. 1922

Water rules of big Scout camps. *Am. Swimmer*. June-Aug. 1922

Stedman, C. W. See Day, Louis J. jt. auth.

Steedman, Charles. Manual of swimming, including bathing, plunging, diving, floating, scientific swimming, training, drowning, and rescuing. (il. with 11 plates) 5s. 270p Dwight; Lockwood & Co. 1867; 3s. 6d. 1873; 2s. 6d. Lockwood & Co. 1875

Steel, Flora Annie Webster. *Swimmers*. 15p Macmillan & Co. 1895

Steel, Marcella R. National Swimming Club. *Sportswoman*. April 1927

Steel for Pools. See Pools and Bathing Places, Construction of, steel for

Steffens, M. C. Swimming for beauty. *Good Health*. June 1927

Steidle, Edward. Practical aspects of resuscitation. Free. *Mine Saf. Appli. Co.*

Steig, Irwin. Scare-head advertising—need it hurt your pool? No! *Beach & Pool*. Sept. 1937

Stein, M. F. Water purification plants and their operation. 1st ed. \$2.50 1915; 2nd ed. \$3 1919; \$3 Wiley. 1926

Steindler, A. Physiological background of muscle re-education. *Arch. Phys. Therapy*. Nov. 1931

Steiner, Jesse Frederick. Americans at play: recent social trends in the United States. (Recent social trends monographs). 201p McGraw-Hill. 1933

Steinhalber and Beach. Swimming boys and girls. Free. Michigan State Dept. Educ.

Steinhaus, Arthur H. Methods of resuscitation judged physiologically. *J. Health & Phys. Educ.* April 1932

Why exercise? *J. Health & Phys. Educ.* May 1934

—**Boyle, R. W.; and Jenkins, T. A.** Studies in physiology of exercise; chronic effects of running and swimming on hearts of growing dogs as determined electro-cardiographically. *Am. J. Physiol.* Jan. 1932

—**Hoyt, L. A.; and Rice, H. A.** Studies in physiology of exercise; effects of running and swimming on the organ weights of growing dogs. *Am. J. Physiol.* Jan. 1932

—**Kirmitz, J. P.; and Lauritsen, K.** Studies in physiology of exercise; chronic effects of running and swimming on hearts of growing dogs as revealed by Roentgenography. *Am. J. Physiol.* Jan. 1932

Stenström, N. See Liljestrand, G. jt. auth.

Stephens, Riccardo. Swimming and saving. Young England. Aug. 1895

Sterilization of Suits. See Laundry, operation; Suits and Towels, disinfection

Sterilization of Water. See Water Purification

Stern, M. Water carnival. *Mind & Body*. June 1916

Stern, O. L. Participation of persons with cardiovascular diseases in sports. *Wissensch. Festschr.*, Josef Reinhold (Slavnostní spis, Josefu Reinholdovi). p236-46. 1936

Sterrett, James H. How to swim. (Spalding's Athletic Library No. 37R). 25c Am. Sports Pub. 1903. 1914. 1921

Stevens. System of swimming; with the only rules for a quick initiation into the same. 1st ed. 1837; 2nd ed. 24p Biggs. 1845

Stevens, H. G. Swimming simplicity. Lancaster, Pa., Crystal Pool, Rocky Springs. The Author

Stevens, Lewis. Swimming on dry land. Roy. Mag. Nov. 1898

Stevens, W. W. Ideal swimming pool. *Domest. Engin.* July 25, 1931

Swimming pools. *Domest. Engin.* March 1933

Stevenson, W. L. Tests for phenolic tastes and odors in water after chlorination. *Am. J. Pub. Health.* July 1928

Stewart, C. E. Art of swimming with hints on bathing and instructions to beginners. 25p Clark. 1885
Dedicated to Andrew Carnegie, donor of the baths, Carnegie Swimming Club, of which the author was secretary.

Stewart, G. N. and Rogoff, J. M. Technic of artificial respiration in man. *J. Lab. & Clin. Med.* Nov. 1918

Stewart, J. A. Boston's experience with municipal baths. *Am. J. Sociol.* Nov. 1901

Stewart, J. G. Detail of various swimming pools' sections; working drawings. Architect. Feb. 1933

Stewart, J. R. Public swimming baths. Chautauquan. Dec. 1900

Stewart, J. Ray. Beginners' swimming. *Scholastic C.* Oct. 1931

Stewart, W. See Bazett, H. C. jt. auth.

Stimson, M. First aid nurse at a life saving institute. (il) *Pub. Health Nurse.* Aug. 1928

Stimulants, Use of During Training. See Coaching, training

Stocks, H. B. Water analysis for sanitary and technical purposes. 2nd ed. \$3.50 135p Lippincott. 1932

Stoddart, Alexander. Hershey Park swimming pool. *Beach & Pool.* Oct. 1934

Stokes, H. G. Two million men and boys have learned to swim at the "Y." *Beach & Pool.* March 1927

Stokes, W. R. Sanitation of swimming pools. *Diet. & Hyg. Gaz.* Feb. 1914
Search for pathogenic bacteria in swimming pools. (bib) *Am. J. Pub. Health.* April 1927

Stomach. See Competition, effects of; Diseases, sport disease; Physiological Aspects, stomach

Stone, D. S. National survey of the Y.M. C.A. life saving program. Thesis. Springfield Col. 1937

Stone, P. N. Swimming to music. *Etude.* Aug. 1923

Stonehenge. Manual of British rural sports. 720p Routledge. 1856
Swimming, p512-21.

Stop-Watch Timing. See Officiating, stopwatch timing

Storage. See Pools and Bathing Places, Equipment for, lockers and storage

Storms, Life Saving in. See Life Saving, in storms

Stovall, W. D. Swimming pool sanitation. *Wisconsin M. J.* Jan. 1927

— and **Mallmann, W. L.** Swimming pool and bathing place water; report of committee. *Am. J. Pub. Health.* Feb. 1935

— and **Nichols, M. S.** Chlorination of swimming pool water. *Am. J. Pub. Health.* June 1923

Some factors in swimming pool control. *J. Infect. Dis.* Nov. 1917

— **Nichols, M. S.; and Vincent, Vera M.** Renovation in swimming pool control. (bib) *Am. J. Pub. Health.* March 1926. *Review Am. Phys. Educ.* Rev. Sept. 1926

Stover, F. H. Treated water in swimming pools. *J. Am. Water Works Assoc.* Nov. 1925

Strahringer, W. Die Schwimmhilfsgeräte im Patentschrifttum. *Leibesübungen.* Jan. 5, 1930

Strange, William. Swimming for the million. *Gentleman's Mag.* 1870(?)

Strangle Holds. See Life Saving

Strassler, Margaret. See Pursell, Ruth, jt. auth.

Stream Pollution. See Water Pollution, of streams, lakes and rivers

Street, A. L. H. Municipal bathing pool liability. *Am. City.* June 1936

Streeter, Harold W. Chlorination, a reserve protection, or an integral part of purification? *Am. City.* Dec. 1926

Experimental studies of water purification; preliminary review of results of primary experiments. (chart) *Pub. Health Rep.* Oct. 1, 1926

Loading of filter plants. 5c 13p *Gov. Printing Off.* 1922

Studies of the efficiency of water purification processes. *Gov. Printing Off.* 1927

Tendencies in standards of river and lake cleanliness. *Govt. Printing Off.* 1934

— and **Wright, C. T.** Experimental studies of water purification; prechlorination in relation to efficiency of water filtration processes. *Pub. Health Rep.* Dec. 19, 1930

— See U.S. Public Health Service, jt. auth.

Streptococcus as Indicator of Pollution. See Water Pollution, streptococcus as indicator of

Stricker, F. D. Swimming pools and their purification. *Am. Phys. Educ. Rev.* Jan. 1915

Strickland, John. Methods of saving life from drowning. 28p Hurren. 1878

Strickler, A. and Friedman, R. Symptomatic and asymptomatic ringworm of feet; report based on study of 1073 consecutive cases in dispensary covering period of one year. *Arch. Dermat. & Syph.* Sept. 1931

— **Ozellers, E. A.; and Zalet, R. P.** Modern interpretation of mycotic infections of feet and hands. *Arch. Dermat. & Syph.* June 1932

Strokes

See also Life Saving; Officiating; Officiating, rules for swimming, diving and water polo; Olympics; Polo; Respiration; Speed Swimming; Teaching; Tests

— [John Allen Krout] *Annals of American Sport (The Pageant of America,* v15) p216. Yale Univ. Press. 1929

BIBLIOGRAPHY OF SWIMMING

Strokes—Continued

- [J. B. Wood] *Swim. Times.* Sept. 1937
- achievement scale for the crawl and the side stroke. [Dorothy G. MacLean] Thesis. 17p Univ. Washington. 1938
- analysis of strokes in recent competition. [T. W. Sheffield] *Am. Swimmer.* Nov.-Dec. 1923
- best stroke. [L. de B. Handley] *Country Life.* Aug. 1910; *also* *Outing.* Aug. 1912
- changes in strokes: trudgen and the crawl. [Frank Beaurepaire] *Swim. Times.* May 1934
- description of strokes—instruction for teaching. [Gertrude Gibson Meehan] *The Author.* 1922
Issued for the Boston School of Physical Education.
- easiest. [Harry M. Boardman] *Mind & Body.* Nov. 1930
- easiest. [A. Kennedy] *Outing.* April 1920
- effect of rhythmic training in swimming on the performance of the side and crawl strokes. [Margaret May Duncan] Thesis. 44p Univ. Washington. 1935
- elementary back stroke, subjective and objective grading. [Katherine S. Trumbull] Thesis. Colorado State Col. Educ. 1933
- evolution of the latest strokes. [L. de B. Handley] *Mind & Body.* June 1910
- evolution of the overarm stroke. [Charles Holroyd] *Swim. Times.* March 1925
- foundations of modern swimming technique. [R. O. Brewitz] *Swim. Times.* June 1935
- fundamental strokes. [G. H. Corsan] *Country Life.* Aug. 1923
- how swimmers use their legs. [Tom Robinson] *Ath. J.* Jan. 1933
- ideas and opinions. [David A. Armbruster] *Beach & Pool.* Feb. 1938
- mechanics of swimming. [“Rabbit”] *Swim. Times.* Aug. 1934
- observations and tests of swimming at the 1932 Olympic Games. [T. K. Cureton, jr.] *J. Health & Phys. Educ.* March 1933
- principle of the hydroplane as used in swimming. *Posse Gym. J.* Sept. 1919
- research in swimming: *summary of an address delivered by T. K. Cureton, jr., of Springfield College.* [T. Brining] *Mind & Body.* June 1931
- respiration of side stroke and back stroke. [Loren H. Graaff] Thesis. Univ. Iowa. 1931
- side stroke. [E. J. Manley] *Ath. J.* Sept. 1923
- standardisation versus individualism. [“Rabbit”] *Swim. Times.* Dec. 1936
- stroke that is natural for man. [W. W. Johnson] *Am. Phys. Educ. Rev.* Jan. 1915
- swimming movements. [A. B. Weger] *Phys. Train.* April 1909
- symposium on training for speed swimming. [F. W. Luehring] *Swim. Guide.* p63-87. 1916-17
- technique of. [Allen G. Ireland] Thesis. Springfield Col. 1914
- unusual strokes. [G. H. Corsan] *Country Life.* Aug. 1926
- Wembley and Magdeburg: some retrospections on the crawl, the dorsal crawl and the ‘high-sail’ breast stroke. [Gilbert Collins] *Swim. Times.* Oct. 1934
- what swimming strokes consist of. [W. Sterry Brown] *Ath. J.* Feb. 1923
- BACK CRAWL.** See also *Officiating*, rules for swimming, diving and water polo; *Respiration*; *Speed Swimming*; *Strokes*; *Teaching*
- [Albert W. Gray] *Scholastic C.* March 1936
- [E. J. Manley] *Ath. J.* Nov. 1923
- back stroke swimming. [J. Herbert] *Am. Phys. Educ. Rev.* Dec. 1925; *also* *Mind & Body.* March 1926
- back stroke—uses and health giving values. [Archibald Sinclair] *Swim.* Jan. 1918
- back stroke vs. breast and crawl strokes. [Frank E. Dalton] *Swim.* Nov. 1924
- dorsal crawl. [L. de B. Handley] *Free. 16p Ocean.* 1930
- inverted crawl stroke. [E. J. Manley] *Ath. J.* Dec. 1923
- men and methods:—Kiefer’s back stroke. *Swim. Times.* Dec. 1935
- Sonny relaxes. (ii) [Quentin Reynolds] *Collier’s.* June 6, 1936
- teaching. [Ann Avery Smith] *Aquat.* 1931-32
- BREAST.** See also *Life Saving*; *Officiating*, rules for swimming, diving and water polo; *Respiration*; *Speed Swimming*; *Strokes*; *Surf Swimming*; *Teaching*
- [J. Herbert] *Am. Phys. Educ. Rev.* Sept. 1925; *also* *Mind & Body.* March 1926
- [E. J. Manley] *Ath. J.* Oct. 1923
- [N. Thorpe] *Nat. Ath.* April-May 1924
- analysis of. [Lee L. Starr] *Swim. Pool Data & Ref. Ann.* 4:42-43. 1936
- analysis of the respiratory habits of trained swimmers. Breast stroke. [Thomas M. Aycock] Thesis. Univ. Iowa. 1931
- antiquated. [Charles Holroyd] *Swim.* Nov. 1924
- back stroke vs. breast and crawl strokes. [Frank E. Dalton] *Swim.* Nov. 1924
- breast stroke and life saving. [O’Neil] *Swim.* Sept. 1925
- breast stroke passing. [E. W. Elmore] *Mind & Body.* Feb. 1919
- breast stroke—uses and health giving values. [Archibald Sinclair] *Swim.* Jan. 1918

- breast stroke vs. crawl stroke. [James R. Taylor] *Swim.* Oct. 1924
- coasting along with. [R. W. Bremner] *Ath. J.* Jan. 1935
- comparative study of the breast and crawl stroke in elementary swimming. [William Jackson Treece] Thesis. Univ. Illinois. 1932
- controversy. [J. B. Wood] *Swim. Times.* Dec. 1937
- crawl vs. breast. [E. H. Olds] *Swim.* July 1925
- crawl vs. breast stroke. [L. de B. Handley] *Swim.* Nov. 1924
- crawl vs. breast stroke. [T. W. Sheffield] *Swim.* Aug. 1925
- crawl vs. breast stroke again. [L. de B. Handley] *Swim.* Jan. 1925
- dolphin. [David A. Armbuster and Jack Sieg] *J. Health & Phys. Educ.* April 1935
- for all-around swimming. [J. D. Brock] *Outing.* July 1914
- how to swim. [Y. Tsuruta] *Beach & Pool.* May 1938
- influence of the butterfly breast stroke on the subcutaneous inguinal ring, or external abdominal ring. [Kenneth R. Weston] *Beach & Pool.* June 1936
- innovations. [L. de B. Handley] *Swim. Times.* May 1935
- mechanics and kinesiology of the frog kick as used in the breast stroke. [H. R. Allen] Thesis. Springfield Col. 1933. *Abstract Beach & Pool.* Oct. 1933
- men and methods:—Highland's and Brydenthal's butterfly breast strokes. *Swim. Times.* Dec. 1935
- new breast stroke. *J. Health & Phys. Educ.* March 1936
- new breaststroke perfected and used by Michigan star: University of Michigan swimmers demonstrate new and old breaststroke. *Swim. Times.* April 1936
- no more butterfly. [Clifford J. G. Burgess] *Swim. Times.* Sept. 1937
- occurrence and treatment of tears of adductor muscles of thigh from breast stroke in swimming. [H. Blencke] *München. med. Wchnschr.* May 17, 1929
- teaching an entirely new method. [Robert Heap] *Am. Phys. Educ. Rev.* Oct. 1929
- try the new butterfly! (il) [E. Milner] *St. Nichol.* Aug. 1936
- why has breast stroke been taught for more than a half century in all European countries? [A. A. Knoch] *Mind & Body.* Jan. 1913
- will the old stroke stand another test or trial? [Hugh Francis] *Swim. Times.* Feb. 1936
- CHARTS AND PHOTOGRAPHS, illustrated swimming chart (il). [Robert Boardman] Chart. \$1 ea.; \$1.75 for two. Salem, Ore., 2380 E. Nob Hill. The Author
- mermaid: a series of photographs. [Mrs. L. H. Gulick] *Everybody's.* Aug. 1914
- sport shots: more than one hundred and fifty action photographs of the Eleventh Olympic Games. [Paul Wolff] \$3 111p Morrow. 1937
- sporting pictures: a series of 48 pictures reproduced in colors. \$7.50 Cassell.
- swimming: a set of 25 pictures—photo enlargements. [Boy Scouts of America] \$1.25 Boy Scouts
- swimming charts. [John Geishe] Charts. 75c Berkeley A.R.C.
- CRAWL. See also Life Saving; Officiating, rules for swimming, diving and water polo; Respiration; Speed Swimming; Strokes; Teaching
- [L. de B. Handley] *Free.* 16p Ocean. 1930
- [Jack Laverty] *Swim. Times.* June, July, Sept. and Oct. 1934 and April 1936
- [L. Leo] *Country Life.* Nov. 1, 1910
- [E. J. Manley] *Ath. J.* June 1923
- [Herbert A. Nieman] 25c 21p Nieman. 1919
- [Guy de Villepion] *Nature.* June 1, 1930
- achievement scale for the crawl and the side stroke. [Dorothy G. MacLean] Thesis. 17p Univ. Washington. 1938
- American and Japanese swimming strokes. *Mind & Body.* Nov. 1934
- Americans, Japanese, and swimming. [Ben Grady] *J. Health & Phys. Educ.* April 1934
- analysis of. [T. K. Cureton, jr.] Thesis. Springfield Col. 1930
- analysis of the propelling force in the crawl stroke. [Peter V. Karpovich] *Res. Quart. (Supp).* May 1935
- analysis of the respiratory habits of trained swimmers. The crawl. [Thomas M. Aycock] Thesis. Univ. Iowa. 1931
- analysis of the swimming of Borg and Weissmuller. *Ath. J.* March 1926
- arms in. [E. Y. Jones] *Swim. Times.* Aug. 1936
- arms in. [Jack Laverty] *Swim. Times.* July 1936
- arms in. [R. C. Venner] *Swim. Times.* Sept. 1936
- back stroke vs. breast and crawl strokes. [Frank E. Dalton] *Swim.* Nov. 1924
- breast stroke vs. crawl stroke. [James R. Taylor] *Swim.* Oct. 1924
- breathing and crawl swimming. [T. Gascoigne] *Swim. Times.* May 1935
- coming of the crawl. [L. Leo] *Swim.* 3:133-34. Dec. 1916
- comparative study of the breast and crawl stroke in elementary swimming. [William Jackson Treece] Thesis. Univ. Illinois. 1932
- crawl out of it. (il) [H. I. Phillips] *Collier's.* Aug. 6, 1927

Strokes—Continued**CRAWL—Continued**

- Crawl-Schwimmen (crawl-swimming). (Miniatür-Bibl. f. Sport u. Spiel 79/80), [Gust. Putzke] Koehler & Volckmar. 1930
- crawl stroke and evolution, mechanical and anatomical research. [T. W. Sheffield] Beach & Pool. Aug. 1934
- crawl stroke for swimming. Harper's W. May 21, 1910
- crawl-stroke idea. [J. Ferguson] Swim. Times. April 1936
- crawl stroke in swimming, therapeutic significance. [M. Piaggio] Riv. di sc. applicate all'educ. fis. e giovan. May-June 1931
- crawl stroke that made Japan Olympic swimming champion. [Franklin M. Reck] Am. Boy. March 1933
An interview with Clarence Pinkston.
- crawl vs. breast. [E. H. Olds] Swim. July 1925
- crawl vs. breast stroke. [L. de B. Handley] Swim. Nov. 1924
- crawl vs. breast stroke. [T. W. Sheffield] Swim. Aug. 1925
- crawl vs. breast stroke again. [L. de B. Handley] Swim. Jan. 1925
- crawlstroke swimming. [L. de B. Handley and W. J. Howcroft] 2s. 6d. Larby. 1929
- effect of rhythmic training in swimming on the performance of the crawl stroke. [Margaret May Duncan] Thesis. 44p Univ. Washington. 1935
- everyone from 7 to 70 can learn the crawl stroke. [T. W. Sheffield] Swim. Times. June 1937
- evolution of. [Charles Holroyd] Swim. June 1925
- evolution of. [T. W. Sheffield] Beach & Pool. Feb.-March 1935
- for efficiency. (ii) [L. de B. Handley] St. Nichol. June 1927
- fundamental faults. Swim. Times. Oct. 1935
- fundamental faults. [Carl Wootton] Swim. Times. April 1936. Dropping the elbow. May 1936. Faulty balance. Oct. 1936. Overstraining to the catch. Dec. 1936. The arms must pull under the body. Aug.-Sept. 1935. The hand must enter the water before the forearm and the forearm before the elbow. Dec. 1935. The legs must not straddle. July 1936. The straddle and the drawn-up knee. Aug. 1936
- greatest of swimming strokes. [L. de B. Handley] Free. Ocean
- hip-knee-ankle foot-propelling drive kick. [Alonzo Snyder] Beach & Pool. Aug. 1937
- how to swim crawl. [Sid G. Hedges] 2s. 6d. 104p Methuen. 1932
- how to swim the crawl stroke. (ii) [James H. Reilly] Scholastic. Feb. 1 and 22, 1936
- influence of American technique on Canadian speed swimming. [Norman Cox] Swim. Times. Feb. 1935
- international six-beat crawl. [Tom Robinson] Ath. J. Jan. 1934
- is this a British crawl? [J. L. J. Hughes] Swim. Times. July 1934
- Japanese crawl. [R. C. Venner] Swim. Times. Aug. 1935
- das Kraulbüchlein. Ein prakt. Leitfaden f. Anfänger, Sportschwimmer und Trainer (little book of the crawl. A practical, easy course for sport-swimmer and trainer). [Gust. Rappel] Koehler & Volckmar. 1934
- land drill for. [G. H. Corsan] Phys. Train. Feb. 1910
- learning. [G. H. Corsan] Country Life. July 1926
- lifting the elbow. ["Rabbit"] Swim. Times. April 1936
- makes Junos. [L. de B. Handley] Lit. Dig. July 25, 1925
- mathematical analysis of. [Peter V. Karpovich] Scholastic C. Dec. 1937
- mechanics and kinesiology of swimming: the crawl flutter kick. [T. K. Cureton, jr.] Res. Quart. Dec. 1930; also Swim. Pool Data & Ref. Ann. 3:41-54. 1935; reprint Springfield, Mass. The Author
- mechanics of swimming: the crawl armstroke. [T. K. Cureton, jr.] Beach & Pool. May 1930
- natural laws of speed swimming. [Norman Cox] \$1 53p Vancouver, B. C., 921 Pacific St. Thomas F. Cox. 1933
- perfecting. [John Allen Krout] Annals of American Sport (The Pageant of America, v15) p215. Yale Univ. Press. 1929
- pointers in teaching. [T. W. Sheffield] Beach & Pool. June 1934
- relative merits of the Japanese and American strokes. [L. de B. Handley] Swim. Times. July 1935
- respiratory habits of trained women swimmers. The crawl stroke. [Rachel Jane Benton] Thesis. Univ. Iowa. 1932
- six-beat. [L. de B. Handley] Mind & Body. May 1923
- six-beat crawl stroke revolutionizes swimming. [L. de B. Handley] Am. Swimmer. March 1923
- supremacy of. [T. W. Sheffield] 50c 56p Santa Monica, Calif., 1429 Ocean Front. The Author; Neuner. 1917
- swim as easily as you walk. [Johnny Weissmuller] Free. 28p B.V.D. 1930
- swimming for speed: the crawl-stroke. (ii) [W. J. Howcroft] Pa. 6d. 24p Essex, Eng., 48 St. Johns Road, Seven Kings. The Author. 1935
- swimming stroke of the future. [L. de B. Handley] Outing. April 1914

—swimming the American crawl. [Johnny Weissmuller and Clarence A. Bush] \$2.50 190p Houghton Mifflin. 1930; 10s. 6d. McClelland. 1933; 3s. 6d. Putnam; \$1.25 McClelland

—swimming the crawl. [Robert J. H. Kiphuth] Sport. St. June 25, 1935

—symposium on crawl stroke. Article from *Swim. Guide* 1915-16

—teaching. [Ann Avery Smith] *Aquat.* p21-5. 1931-32

—water babies. (il) [Aileen Riggan] Good Housekeep. July 1932

ELEMENTARY BACK. See Strokes; Teaching

ENGLISH OVERARM. See Strokes; Teaching

HISTORY AND HISTORICAL MATERIAL. See also History; Teaching, historical material

—evolution of speed swimming strokes. [Virginia Arbuckle] Thesis. 82p West Virginia Univ. 1936

—evolution of swimming. [C. A. Hyatt] Am. Swimmer. Nov.-Dec. 1922

—evolution of the latest swimming strokes. [L. de B. Handley] Mind & Body. June 1910

—position and stroke in swimming. [Richard C. E. Lamb] Pop. Sc. 23: no.1. 1883

—side swimming. Cassel's Illus. Family Paper. July 1865

KINESIOLOGY or, swimming as applied to special cases and kinesiology of the strokes. [Lillian C. Drew, Grace A. Thomas and Charles B. Scully] Stearns & Beale. 1926

SCULLING. See Strokes; Teaching

SIDE. See Life Saving; Strokes; Teaching

TRUDGEN. See Strokes; Teaching

OTHER STROKES. See History; Strokes; Teaching; Texts

Strutt, Joseph. Sports and pastimes of England. London. The Author. 1801; London, William Hone. 1828; last reprint 1876

Student Assistance. See Teaching, student assistance

Stuff, Harry Spencer. Story of the Olympic Games—with official records by Leo Moriarty. (il) 50c Times-Mirror. 1932

Stuhr, Elsie Jacobsen. Interests and abilities as a basis for program planning. Res. Quart. May 1936

Stunts. See Recreational Swimming, games and stunts; Recreational Swimming, stunts; Recreational Swimming, stunts chart

Suction Cleaners. See Pools, Artificial, Care of, suction sweeping

Suffolk and Berkshire, Earl of; Peck, Hedley; and Afslalo, F. G. (eds). Encyclopaedia of sport. 22 numbers. 2s. ea. Lawrence & Bullen. 1897-98

Sugar. See Coaching, diet

Sugimoto, R. and others. Studies on sportsphysiology. Jap. J. M. Sc. Oct. 1936

Suits and Towels

See also Pools and Bathing Places, Operation of; Pools and Bathing Places, Sanitation of

DISINFECTING, studies in bacterial sampling and disinfecting of bathing suits and towels. [C. G. Gillespie] California State Dept. Pub. Health Bull. Oct. 1919

LAUNDERING. See Laundry, operation

LOSS OF, [Paul H. Huedepohl] *Swim. Pool Data & Ref. Ann.* 5:73-74. 1937

REGULATIONS REGARDING SUITS. See also Regulations; Regulations, state

—bathing suit regulations. Am. City. July 1918

—bathing suits and bathing beach regulations. Am. City. June 1918 and June 1923

SUITS, bathing suit regulations. Am. City. July 1918

—bathing suits have undergone marked changes. [E. Platt] Beach & Pool. May 1927

—danger in bathing suit controversy. *Swim. Pool Data & Ref. Ann.* 6:67. 1938

—dress reform: bathing suits. [M. Hall] Commonweal. Oct. 19, 1932

—illustrated catalogue of knitted bathing suits for ladies, gentlemen and children. (il) [J. J. Pfister Knitting Company] Pfister Knit. Co. 1886

—sweaters and bathing suits. (il) [Natalie Kneeland] 144p Shaw. 1925

TOWELS, [John A. Jackson and W. W. Rheins] Beach & Pool. May 1934

—how to judge and select. [John A. Jackson] Beach & Pool. May 1934

—preferable sizes and types for men and women. [John A. Jackson] Beach & Pool. May 1937

Sullivan, Frank J. Modern swimming and diving. 25c Wilson-Western

Proposed rules for form swimming contests. Article from *Swim. Guide*. 1915-16

Science of swimming; instruction in fancy diving; modern methods of life saving. (Spalding's Athletic Library No. 106R). (il) Pa. 25c 100p (eds. vary slightly). Am. Sports Pub. 1922. 1926. 1927. 1928. 1934

Swimming book. Wilson

Water polo. 25c Wilson-Western

Sulphate of Iron in Water Purification. See Water Purification, sulphate of iron in

Sundstrom, G. Water polo. 10c Am. Sports Pub. 1901

Supply, Water. See Pools and Bathing Places, Operation of, water supply; Water Purification, of supply

Surf Boards. See Life Saving, equipment; Recreational Swimming, surf boards; Surf Swimming

Surf Life Saving Association of Australia.
Surf life saving handbook. (il) 7th
Surf life saving handbook. (il) 1s.
192p (varies). New South Wales
Sports Club. 7th ed. rev. 1929; 9th ed.
rev. 1935; 10th ed. rev. 1938
Rev. regularly.

Surf Swimming

- aquatic sports in Hawaii. (il) [H. H. Yost] Illus. World. Sept. 1922
- art of deep sea swimming. [H. Wisby] Country Life. July 1910
- art of wave riding. (il) [Ronald Blake Drummond] 26p Cloister. 1931
- bathing in the Hawaiian islands. [H. S. Curtis] Mind & Body. May 1921
- boy's paradise in the Pacific. [A. H. Ford] St. Nichol. Aug. 1908
- down to the sea in bathing suits. [S. Hurlson] Sportsman. Aug. 1927
- Doyle's new instruction book on ocean bathing, swimming. [William S. Doyle] 25c 45p Asbury Park, N.J. The Author. 1910
- Hawaiian surfboard, including ancient Hawaiian legends of surfing, modern surfing and how to use the new hollow surfboard. [Tom Blake] 95p Paradise of the Pacific. 1935
- Newport's winter surf bathers. Am. Swimmer. March 1923
- riding the breakers. [Tom Blake] Pop. Mechan. July 1937
- sea bathing. [Guy Hinsdale] Hygeia. June 1926
- surf and surf bathing. [Duffield Osborne] Chapter IV in Athletic Sports. (The Out of Door Library). Scribner's. 1898
- surf bathing. [Duffield Osborne] Outing. Aug. 1902
- surf bathing. [J. Wells] Outing. Aug. 1900
- swimming and surfing. [Harry Hay] 2d. 14p Jantzen (Australia). 1931
- swimming on the Atlantic coast. [A. H. Gleason] Collier's. May 22, 1909
- undertow myth. [W. M. Davis] Sc. Feb. 20, 1925
- vivre à la plage; bains de mer—bains de soleil (live at the beach; bathing in the sea—bathing in the sun). [Brice Pathault] 190p Ed. Vivre. 1931
- when an inland swimmer goes to sea. Red Cross Cou.; also Beach & Pool. Jan.-Feb. 1935
- winter sports in Hawaii. [H. Coffin] Golden Bk. Dec. 1930
- you can't play tag with the ocean. (il) [G. Jernee] Am. Sept. 1932

HISTORICAL MATERIAL. See also History
—art of swimming containing instructions relative to, with cautions to learners and advice for bathing, to which is added Dr. Franklin's advice, Dr. Buchan's remarks on river and sea-bathing; an account of Mr. Mallison's invention called the Seaman's friend, or bather's companion. 36p Mason. 1815

- essay on sea-bathing, and the internal use of sea water. [Richard Kentish] 1787
- familiar hints on sea-bathing. W. Smith. 1838
- instructions to sea bathers by Doctor Buchan and directions for learning to swim by Doctor Franklin. Sherwood. 1809
- philosophy of bathing, with remarks on river and sea bathing. [John Lindsay] Orr & Sons. 1838
- practical observations concerning sea-bathing. [A. P. Buchan] London. 1804
- practical treatise on sea-bathing and sea-air. [George Ludwig Hartwig] 148p Highley. 1853
- river and sea bathing: possible danger and benefit. [Buchron] Bousor. 1798
- sea air and sea-bathing. [G. Black] London. 1888
- sea-air and sea-bathing. [John H. Packard] 124p Blakiston. 1880
- sea-bathing: its use and abuse. [Ghislani Durant] Harper's Mag. 1878(?); reprint 60p Cogswell. 1878
- surf-swimming. Life-boat. 1879(?)

MEETS. See Meets, surf

RIP TIDES See also Life Saving

—[C. P. L. Nicholls] Beach & Pool. March 1937

Surveys. See Pools and Bathing Places, Sanitation of, surveys; Recreational Swimming, leisure use

Sutherland, H. Learning to swim in one lesson. Woman's Home Comp. July, 1904

Sutton, R. J. C. Some notes on water polo. Swim. Times. May-June 1934

Swain, L. E. Syllabus of logical progression in elementary swimming. Am. Phys. Educ. Rev. May 1925

Swedish Method of Resuscitation. See Resuscitation, Swedish method

Sweet, A. J. Lighting of swimming pool. Tr. Illum. Engin. Soc. July 1927

Swimmers National Assembly

—Swimmers National Assembly. Swim. Times. May 1935

Swimmers Parliament

—Swimmers Parliament. Swim. Times. May 1936

—Swimmers' Parliament. [B. W. Cummins] Swim. Times. May 1934

Sypien, A. See Mallmann, W. L. jt. auth.

Syrian Life Saving. See Life Saving, in Syria

T

Tabor, I. G. Teaching oneself how to swim. Country Life. Aug. 1909

Taft, Linwood (comp). List of pageants. 25c Drama League

—(ed). See Brownell, Mary A.

Tait, C. Non-skid finish for spring boards to lengthen their life. *Beach & Pool*. Feb. 1931

Takabataki, Y. Hygienische Studien über Wasserproben im Glase; Quantität der Wasserprobe und Keimzahl. Nagasaki Igakkai Zassi. April 1936

Tamolet. See Izard, jt. auth.

Tank Suits. See Suits and Towels

Tanner, F. W. and Schneider, D. L. Effect of temperature of storage on bacteria in water samples. *Proc. Soc. Exper. Biol. & Med.* March 1935

Taraldsen, Earl N. Growing, world-wide importance of swimming. *Beach & Pool*. Dec. 1937

Taste Elimination from Water. See Water Purification, taste and odor elimination

Tate, H. D. Memorial pool, privately financed, hygienically designed, municipally operated. *Am. City*. July 1929

Taylor, A. D. Lure of the outdoor swimming pool. *Country Life*. March 1921

Taylor, Alfred Swaine. Manual of medical jurisprudence. London. 1891. 1894 Ed. by Thomas Stevenson.

Taylor, David W. Speed and power of ships. \$2.50 307p U.S. Maritime Commission. 1910. 1933

Taylor, H. Marshall. Abstract of discussion on paranasal sinus infection in swimming. *J. Am. Med. Assoc.* Aug. 13, 1927

Aural conditions resulting from pool and sea bathing. *South. Med. J.* Feb. 1923

Causes and prevention of otological conditions following swimming and diving. *J. Am. Med. Assoc.* Aug. 4, 1923

Hygiene of swimming. Tr. Sect. Laryng., Otol. & Rhin., A.M.A. p192-7. 1932

Otologic conditions following swimming. Tr. Am. Laryng., Rhin. & Otol. Soc. p23. 1923

Otorhinologic hygiene. *South. Med. J.* March 1928

Report of committee on otorhinologic hygiene of swimming. *J. Am. Med. Assoc.* Aug. 1, 1925

Sinusitis and swimming—etiologic factors. Tr. Am. Laryng., Rhin. & Otol. Soc. p99. 1925

Sinusitis and swimming; further observations of etiologic factors, with special emphasis on man's lack of adaptation to aquatic habits. (il) *J. Am. Med. Assoc.* July 4, 1925

Work in researches relative to swimming and its effect upon the sinuses. Jacksonville, Fla. The Author. Unpublished

Taylor, James R. Breast stroke vs. crawl stroke. *Swim.* Oct. 1924

Taylor, Miriam W. See Howe, Eugene C. jt. auth.

Taylor, S. B. Municipal reservoir converted into a swimming pool. *Am. City*. May 1924

Taylor, W. A., & Company, Inc. Modern pH and chlorine control. Free. Taylor & Co. 1935

Taylor, W. F. Suitable bathing dresses as used in Biarritz, with instructions whereby any lady, self-taught, may learn to swim. Windsor, Eng. The Author. 1864

Teachers' Certificate. See Tests, teachers' certificate

Teaching

- See also Coaching; Cripples; Curricula; Feeble-minded; Polo; Safety; Speed Swimming; Strokes; Surf Swimming; Tests
- aquatics; a manual for swimming instructors. [F. L. Jouannet] Thesis. Springfield Col. 1917
- art of swimming. [H. Nissen] Posse Gym. J. May 1919
- art of swimming. [J. P. Paret] Harper's Baz. Aug. 11, 1900
- case study of problem swimmers. [H. M. Mahoney] Thesis. 40p Univ. Wisconsin. 1929
- education in the water. [Fred Wittner] Lit. Dig. March 17, 1934
- few hints on swimming. [P. S. McNally] Men. 22:1133
- how to teach swimming. (il) [Sid G. Hedges] 2s. 6d. 87p Methuen. 1935
- how to teach swimming and diving. (il) [T. K. Cureton, jr.] \$3 238p Assoc. Press. 1934
- how to teach swimming in schools and colleges. (20 figures) [James Kay] 1s. 74p New Brompton Croneem. 1901
- ideas and opinions. [David A. Armbruster] *Beach & Pool*. Feb. 1938
- investigation to determine the frequency with which 400 words commonly used in oral instruction in swimming are not comprehended by 150 eleventh-grade boys at Central High School, Detroit. [Donald A. Kelley] Thesis. Univ. Michigan. 1931
- Leitfaden f. d. Schwimmsschule. Anweisgn. zum Selbst- und Massenunterricht (easy guide for swimming-schools. Directions for self- and mass instruction). [Alfred Markert] Koehler & Volckmar. 1930
- manual for swimming students. [Natalie Reichart and Jeanette Brauns] Mimeo. 75c, 50c ea. on orders of 12 copies or more. Corvallis, Ore., Oregon State College. The Authors. 1936
- more teaching of swimming. [L. Hoerning] Mind & Body. June 1924
- natatorium instruction and supervision. [W. W. Hastings] Hyg. & Phys. Educ. June 1909
- New York City spends \$300,000 teaching efficient watermanship. [Marie W. Bishop] School Manag. June 1933

BIBLIOGRAPHY OF SWIMMING

Teaching—Continued

- phenomenal growth of instruction in swimming and watermanship. [Elbridge Colby] *School Life*. June 1925; also *Rev. of Rev.* Aug. 1925; also *Mind & Body*. Sept. 1925
- physical education in the water. [F. W. Luehring] *Am. Phys. Educ. Rev.* June 1922
- pointers in teaching the crawl stroke. [T. W. Sheffield] *Beach & Pool*. June 1934
- practical hints. [Ann Avery Smith] *Am. Phys. Educ. Rev.* 34:356-60. June 1929
- problems and experimental studies on the teaching of swimming and diving. [T. K. Cureton, jr.] *Beach & Pool*. June-Oct. 1933
- scientific pedagogy of swimming and diving [T. K. Cureton, jr.] *Beach & Pool*. June 1933
- study of swimming efficiency. Dallas P. Raney] Thesis. Univ. Iowa. 1932
- study of the correlations between the rate of learning to swim in deep water and various measurable factors. (tables) [Marjorie R. Nowlin] Thesis. 61p Wayne Univ. 1936
- swimming. [Lyba and Nita Sheffield] *Section* (p115-29) from *Health through Leisure-time Recreation*, by Edith M. Gates. \$1.50. 216p Womans Press. 1931
- swimming. [Gustave L. Stecher] *Mind & Body*. April 1927
- swimming department reference material. [Ann Avery Smith] Mimeo. 35c Detroit, Mich., Wayne University. The Author. 1935
- swimming instruction. [Amateur Swimming Association of England] 1s. 64p Simpkin, Marshall. 1st ed. 1919; re-written 1930; rev. 1934; re-written 1937
- swimming instruction. [F. Baxter] *J. Sc. Phys. Train.* 34:24. Dec. 1919
- swimming questionnaire synopsis. *Phys. Train.* Oct. 1923
- swimming scientifically taught; a practical manual for young and old. (il) [Frank E. Dalton] \$1.25 1912; 7th ed. \$1.75 1927; 8th ed. rev. \$1.75 237p Funk & Wagnalls. 1931
- swimming scientifically taught; a practical manual for young and old. (il) [Frank E. and L. C. Dalton] 3rd ed. \$1.25 Funk & Wagnalls. 1918
- swimming strokes and stunts; description of strokes—instruction for teaching. [Gertrude Gibson Meehan] The Author. 1922
Issued for the Boston School of Physical Education.
- swimming workbook: a manual for students. (il) [Natalie Reichart and Jeanette Brauns] \$1 Barnes. 1937
- teaching of swimming, diving and water sports. [Ferd. John Lipovetz] \$2.75 Burgess. 1937
- teaching swimming. [Ann Avery Smith] *Am. Phys. Educ. Rev.* June 1929
- teaching swimming at wholesale. [G. H. Corsan] *Phys. Train.* Dec. 1909
- teaching swimming from the beach. [K. Dickson] *Canad. Mag.* Aug. 1937
- teaching the crawl and back crawl. [Ann Avery Smith] *Aquat.* p21-5. 1931-32
- theory and practice of swimming. [A. Goldstein] *Mind & Body*. Dec. 1918
- thoughts on swimming instruction in England. [Frederick Boyd] *J. Phys. Educ. & School Hyg.* 1935(?)
- units of activity in swimming and life saving. [G. J. Altmann and Gwendolyn Drew] Mimeo. 75c 44p Kent, Ohio. The Authors. 1935
- value of certain indices of fatigue while swimming. [U. Cassinini] *Arch. di fisiol.* 36:428-43. 1936
- ADVANCED SWIMMING, [Albert W. Gray] *Scholastic C.* Nov. 1933
- advanced swimming. [W. Sterry Brown] *Am. Rev. Serv. Press.* 1925
- BEGINNERS, after four years: a note to the discouraged. [Carl Wootton] *Swim. Times*. Feb. 1936
- beginners' swimming. [J. Ray Stewart] *Scholastic C.* Oct. 1931
- comparative study of the individual, mass and group methods of teaching elementary swimming. [Fred William Kasch] Thesis. Univ. Illinois. 1937
- course of beginner's swimming and diving instruction. [T. K. Cureton, jr.] *Beach & Pool*. Nov.-Dec. 1934
- elementary swimming. [W. A. Palmer] *Good Health*. Aug. 1921
- elementary swimming instruction in wading pools. [J. C. Henderson] *Playground*. Oct. 1929
- facts about elementary swimming for beginners. [Wilbur E. Bostard] 37p *Providence Boys' Club*. 1928
- introduction to aquatics. (il) [Guy de Villepion] *Nature*. July 15, 1929
- knack of learning to swim. [L. R. Sargent] *Outing*. May 1913
- learn to swim this year. [R. C. Cubbon] *Assoc. Men.* March 1925
- learning to swim. [Sol Metzger] *Boy's Life*. July 1931
- learning to swim. [H. Wisby] *Outing*. July 1911
- learning to swim—for college age adults and beginners. [W. Sterry Brown] Univ. Illinois. 1925
- paddle your own canoe, but first learn to swim. [G. H. Corsan] *Phys. Train.* April 1923
- practical time of learning swimming. [Joseph Etienne, comte de Lalyman de Varennes] *Nature*. July 18, 1935
- relation of buoyancy to the learning rate in beginning swimming. [Edith A. Aldrich] Thesis. Univ. Iowa. 1935

- swimming classes for beginners. [H. B. Monroe] *J. Phys. Educ.* April 1929
- teaching of elementary swimming and diving. [T. K. Cureton, jr] Mimeo. \$2 Springfield, Mass. The Author. 1931
- BLIND PERSONS, how to instruct the blind to swim. [Edward J. Murphy and M. J. Costello] *Swim. Pool Data & Ref. Ann.* 6:42-43. 1938
- BREATH CONTROL AND BREATHING. See Respiration; Speed Swimming; Strokes
- BRINK SYSTEM, [B. Dean Brink] *Section (1 p) from Bull. 1005. A.R.C.* Oct. 1932
- Brink system. *Am. Swimmer.* Sept. 1922
- interpretation of, for teaching beginners to swim. [Cecelia Deubig] *Am. Swimmer.* Oct. 1922
- CHILDREN. See also Fear
 - boys' and girls' swim book. [Sid G. Hedges] 3s. 6d. Methuen. 19-(?)
 - catching them really young. [Reginald A. Colwill] *Swim. Times.* Sept. 1935
 - children's swimming as activated by specific reading. [Marjorie Jenkins] Thesis. Mills Col. 1936
 - cooperation of public schools with municipal gymsnasiums and baths in teaching swimming to children. [S. K. Nason] *Proc. Am. Assoc. Hyg. & Baths.* p33-7. 1916
 - importance of teaching school children to swim. [S. K. Nason] *Am. City.* Sept. 1916
 - real water babies. [W. E. Longfellow] *Am. Swimmer.* Jan.-Feb. 1922
 - respiratory responses of pre-adolescent boys to muscular activity. [Edward C. Schneider and C. B. Crampton] *Am. J. Physiol.* Dec. 1936
 - swim with your children. (il) [Alice Lord Landon] *Par. Mag.* Aug. 1930
 - systematic swimming instruction for children. [W. J. Howcroft] *Phys. Train.* 12:50-53. 1920
 - teaching a toddler to swim. (il) [D. Rosier] *Par. Mag.* Aug. 1937
 - teaching swimming to girls and boys of school age. [G. Jones] *Mind & Body.* March 1931
 - teaching the boy to swim. [H. G. Hunting] *Country Life.* Aug. 1905
 - teaching youngsters to swim. (il) [C. B. Makarius] *Par. Mag.* Aug. 1933
 - teaching your child to swim. (il) [Robert Boardman] *Hygeia.* July 1932
 - DALTON PLAN, Dalton laboratory plan. [Evelyn Dewey] \$2 Dutton. 1922
 - DIVING. See Diving, teaching
 - ECONOMY OF ENERGY. See also Physiological Aspects, energy cost; Speed Swimming; Strokes
 - economy of muscular exercise. [D. B. Dill] *Physiol. Rev.* April 1936
 - Energieersparnis beim Schwimmen (economy of energy in swimming). *Umschau.* July 25, 1927
 - how to reduce effort in swimming. [Guy de Villepion] *Nature.* May 15, 1927
 - FEAR. See Fear
 - FIRST STROKE. See also Teaching, beginners
 - experimental study of beginning strokes in swimming for girls of college age. [C. P. McLanahan] Thesis. 66p Univ. Wisconsin. 1929
 - relative value of three different strokes in teaching high-school girls to swim. [Ann G. Rolence] Thesis. Northwestern Univ. 1933
 - teaching a beginner the side stroke. [W. A. Palmer] *Swim.* Feb. 1925
 - FLOATING. See Floating
 - FORM. See also Coaching, training; Officiating, rules for swimming, diving and water polo; Speed Swimming; Strokes; Tests, form
 - don't splash, please! (il) [A. J. Daley] *Collier's.* Feb. 19, 1938
 - how's your form? (il) [R. Seinfel] *Indep. Woman.* July 1937
 - importance of. [T. G. Whitaker] *Mind & Body.* Jan. 1914
 - FUNDAMENTALS. See also Floating; Respiration
 - advancing pupils to the swimming position. [Clarence A. Bush] *Ath. J.* Jan. 1927
 - athlete in the making. [J. F. Williams and E. W. Nixon] *Saunders.* 1932 Paragraphs on fear, relaxation, rhythm, and breathing in swimming.
 - hints for non-swimmers. [E. H. Wood] *Mind & Body.* June 1922
 - of successful swimming. [G. H. Corsan] *Country Life.* July 1923
 - of swimming. [M. Schloth] *Nat. Ath.* Feb. 1924
 - teaching body buoyancy and breath control. [Clarence A. Bush] *Ath. J.* Nov. 1926
 - GAME METHOD. See also Recreational Swimming
 - one hundred games for beginners. [Elwyn R. Hallock] *Springfield Col.* 1931
 - play method of teaching swimming. [Alfred Wolken] *Beach & Pool.* July-Aug. 1936
 - singing games as a teaching approach to overcoming children's fear in the water. [Olive McCormick] *Aquat.* p25. 1931-32
 - stunts and games for the beginning swimmer. [Clyde Priddle] *Springfield Col.* 1932
 - use of water as a play medium. [Ethel Blackman] Thesis. Peabody Col.
 - GIRLS. See Teaching, women and girls
 - GROUP INSTRUCTION. See also Mass Swimming
 - group instruction in swimming, University of Minnesota. [Gertrude K. Lyon] *Am. Phys. Educ. Rev.* Feb. 1921
 - mass teaching in swimming. [Lelia M. Finan] *Am. Phys. Educ. Rev.* Jan. 1929

BIBLIOGRAPHY OF SWIMMING

Teaching—Continued

GROUP INSTRUCTION—Continued

—teaching every boy and young man to swim. [C. F. Peters] Phys. Train. Nov. 1909

HISTORICAL MATERIAL. See also History; Strokes, history and historical material

—advice for beginners. [Mabel Veronica Batten] Badminton Mag. Sept. 1896

—advice for beginners. [Edwyn W. Sandys] Outing. July 1896

—aquatic sports and pastimes. [W. P. M. Black] J. Phys. Educ. 1891(?)

—essai sur l'art de nager (essay on the art of swimming). [Nicolas Roger] Encyclop. 1787

—every boy's book: new art of swimming made easy, containing instructions how to learn to swim, swimming like a frog, to plunge, dive and float, swimming and thrusting on the back, the place to swim, time, dress, the cramp, useful hints and general directions. 1870

Plagiarism of earlier works. No acknowledgments are made.

—facts of swimming and diving. Penny Mag. p290-2. 1836

—fine and froggy art of swimming. [Julius Cutwater] Fraser's Mag. Oct. 1842

—half hour in the water. Boy's Own Mag. 1855(?)

—how I learnt to swim. [Amy Croft] Victoria Mag. 1880(?)

—learning swimming in the sea and management of waves; conversational lessons. [J. G. Wood] Section (p103-22) from The Playground. (Every Boy's Library). 266p Routledge. 1884

—learning to swim. [Richard A. Proctor] Knowledge. 1882(?)

—Lee's Expert English angler with the abstracts of several acts of Parliament . . . also is affixed Dr. Franklin's Complete art of swimming, shewing the easiest manner of avoiding accidents, with fear . . . directions to divers and swimmers; and the means recommended by the Royal Humane Society, in cases of suspended animation: to which is annexed, An essay on skating. [J. Lee] 14p London. The Author

—penny illustrated training for the people, showing how to box, walk, run, wrestle, jump, swim, row, ride, bowl and cricket. 1d. 2p London. 1864

—practical lessons in swimming. [Walter A. Varian] Outing. July 1893

—swimming and bathing for females. [Harry W. Fisk] Swim. News. Sept. 3, 1878

—swimming and diving. [S. O. Beeton] Boy's Own Mag. 1855(?)

—swimming and diving. [H. Williams] Boy's Own Mag. 8:354-57. 1862

—swimming and life saving. [Sydney Holland] Badminton Mag. July 1896

—swimming cards: complete self-instructor for both sexes. [Hobson Bocock] 3d. Hannan. 1888

Cards enclosed in a case. Each card has two lessons.

—swimming in the Royal Navy. [Harry W. Fisk] Swim. News. May 1, 1878

—swimming lesson in conversation at a bathing place. [Richard Phillips] Section (p61-70) from The Book of Games or a History of Juvenile Sports. London. 1812

—swimming on dry land. [Lewis Stevens] Roy. Mag. Nov. 1898

—what one should know about swimming. [John Price Fletcher] Cosmopol. 27:332-36. 1899

—why men cannot swim without previous education as well as brutes. [W. Nicholson] J. Nat. Philos. 1806(?)

IN COLLEGES AND UNIVERSITIES. See Curricula, colleges and universities

IN MEXICO. manual de natación de la Asociación Cristiana de jóvenes Mexico (manual of swimming of the Christian Association of Mexican youth). [J. E. Orozco] Mij. y Hermano. 1930

IN SCHOOLS. See also Curricula, schools

—cooperation of public schools with municipal gymnasiums and baths in teaching swimming to children. [S. K. Nason] Proc. Am. Assoc. Hyg. & Baths. p33-7. 1916

—every sixth grade boy and girl a swimmer. [C. P. L. Nicholls] Beach & Pool. Feb. 1931; also J. Health & Phys. Educ. Feb. 1931

—foundation of a boy's swimming club and the maintenance of its interest; swimming as taught in Philadelphia; begun in elementary schools. [Thomas J. Brophy] Mind & Body. March 1921

—importance of teaching school children to swim. [S. K. Nason] Am. City. Sept. 1916

—nation's most valuable asset: its children; how the teaching of swimming in schools commenced. Swim. Times. Dec. 1937

—practical hints to teachers—official score chart, swimming. [Chicago Public High School] Am. Phys. Educ. Rev. Dec. 1920

—school swimming. [J. Kay] J. Prev. Med. 14:105-12. 1906

—Schwimmen in Schule und Verein (swimming in school and club). [Heinrich Lotz] 164p Teubner. 1914

—significance of swimming in an elementary school. [L. N. Luzzani] Gior. d. r. Soc. ital. d'ig. 38:193-97. 1916

—swimming boys and girls. [Steinhalber and Beach] Free. Michigan State Dept. Educ.

—swimming for schoolboys. (ii) [W. J. Howcroft] 6d. Nat. Assoc. Schoolmasters. 1936

—swimming for schoolboys. [W. R. Shimmin] 4d. Nat. Assoc. Schoolmasters. 1932

—swimming of the public school. [B. Kappenburg] Nederl. tijdschr. v. geneesk. 2:345-48. 1917

IN UNIVERSITIES. See Curricula, colleges and universities

INTERMEDIATE SWIMMING, national survey of intermediate swimming in the Y.M.C.A. [H. G. Morris] Thesis. Springfield Col. 1937

—practice of teaching of intermediate swimming and diving. [T. K. Cureton, jr] \$1.50 Springfield Col.

LAND DRILLS, drill for swimming pool. [E. A. Snapp] J. Health & Phys. Educ. Sept. 1929

—dry-land swim—a novel and seasonable exercise. Assoc. Men. April 1906

—learning to swim on dry land. [F. L. Beals] Health. June 1923

—swimming and life saving land drills. [American Red Cross] Free. A.R.C.

—swimming on dry land. [H. Wingert] Suburb. Life. May 1910

LESSONS, aids in swimming lessons. [C. A. H. Johansson] 2d. 1s. 6d. per dozen Johansson] 2d. 1s. 6d. per dozen copies. Southern Counties A.S.A. 1913

—common sense swimming lesson. [Duffield Osborne] Outing. Aug. 1900

—first swimming lesson. [K. Church] Swim. Aug. 1925

—from overhand to crawl. [Guy de Villepion] Ann. Polit. et Lit. May 25, 1937

—learning to swim in one lesson. [H. Sutherland] Woman's Home Comp. July 1904

—lesson. [Maimie M. Willis] Swim. Times. Dec. 1935

—logical progression in elementary swimming. [L. E. Swain] Am. Phys. Educ. Rev. May 1925

—ma leçon-type de natation (my lesson-type of swimming). [Georges Hébert] 154p Vuibert. 1914

—practical swimming lessons. [Dante Bruce] 64p Bruce Swim. Method. 1922

—progressive steps in teaching of swimming. [F. J. Beier] Thesis. Springfield Col. 1918

—swimming in twelve lessons. [Sid G. Hedges] 1s. 74p Ath. Pub.

—ten-lesson plan for teaching beginners to swim. [G. R. Draper] Beach & Pool. March 1938

LIFE SAVING. See Life Saving

MECHANICAL AIDS IN, apparatuses to help one swim in patent-literature. [W. Strahringer] Leibesübungen. Jan. 5, 1930

—swimming—the inflated tyre for learners. [C. J. Lucas] Croydon, London. The Author

METHODS, application of the project procedure to swimming. [Harriet F. Glover] School & Soc. June 18, 1932

—comparative study of the individual, mass and group methods of teaching elementary swimming. [Fred William Kasch] Thesis. Univ. Illinois. 1937

—comparison. [J. K. Shryock] Beach & Pool. Feb. 1936

—comparison of, for teaching beginners to swim. [John Scherlacher] Springfield Col. 1932

—confidence. [Lorraine L. and R. C. Cubbon] Army & Navy Y.M.C.A. 1917

—demonstration. [Maimie M. Willis] Swim. Times. May 1936

—don't ruin your pupils. [G. H. Corsan] Phys. Train. May 1924

—far, fast and fashionable; being a discussion of the method L. de B. Handley uses in teaching swimming. [Hazel Rawson Cades] Woman's Home Comp. Aug. 1930

—how I taught a girl of seven to swim. Ladies' Home J. July 1906

—how I teach swimming. [H. Hamilton] Outing. July 1918

—in physical education. [J. F. Williams, J. I. Dambach and N. Schwendener] 1st ed. \$2.25 222p 1932; 2nd ed. 277p Saunders. 1937

—learn to swim in a week by an entirely new method. 6th ed. Pa. Pearson. 1933

—methods for teaching beginners. [Henry F. Kallenberg] Phys. Train. Nov. 1916

—natural basis for a teaching method in swimming. [C. E. Cranston] Springfield Col. 1933

—natural method for beginners. [Edwin Tenney Brewster] Good Health. Jan.-May 1911

—Natürlicher Schwimmunterricht (natural swimming instruction). [Kurt Wiessner] 199p Österreich. Bundesv. f. Unterric., Wissensch. u. Kunst. 1929

—new. [F. Green] U.S. Nav. Inst. Proc. 37:865-70. 1911

—physical, physiological, and psychological method. [David A. Armbruster] J. Health & Phys. Educ. April 1936

—progressive part vs. whole method of learning motor skills. [C. T. Shay] Res. Quart. Dec. 1934

—progressive swimming. [Floyd R. Eastwood] Thesis. Springfield Col. 1922

—progressive system of swimming [Leroy Sparks] Wellington Y.M.C.A. 1902

—showing the way: a demonstration to educationalists. Swim. Times. Dec. 1936

BIBLIOGRAPHY OF SWIMMING

Teaching—Continued**METHODS—Continued**

- study of some present methods and programs. [Dorothy J. Dodge] Term paper for Miss Trilling's seminar. University of Wisconsin. Summer, 1932. Unpublished
- suggestions for teaching swimming and how to make progress with it. [G. Jones] *Phys. Train.* Nov. 1924
- swimming and swimming strokes. A complete description and explanation of the various swimming methods. [Ross McGillvray] 75c 88p Regan. 1923
- up-to-date methods for success in swimming. [L. de B. Handley] St. Nichol. Aug. 1913
- whole vs part methods in motor learning. [L. A. Pechstein] 80p *Psych. Rev. Co.* 1917
- whole versus the part method in the teaching of swimming. [Dorothy Lillian Stahmer] Thesis. Univ. Illinois. 1932
- NEUROMUSCULAR LEARNING, experiment in physical education activities related to the teaching of honesty and motor skills. [Melvin A. Clevett] *Res. Quart.* March 1932
- factors conditioning the acquisition of skill in swimming. [B. L. Thompson] Thesis. 30p Univ. Wisconsin. 1926
- how long does it take to learn swimming? [George B. Slifer] *Mind & Body.* Feb. 1925
- kinaesthesia in relation to motor skills. [R. A. Esjernson] Thesis. Springfield Col. 1928
- neuro-muscular learning; some psychological data applied to swimming. [Rudolf F. Vogeler] *Am. Phys. Educ. Rev.* Dec. 1929
- physical efficiency as measured at the University of California. [Frank Louis Kleeberger] *Res. Quart.* May 1932
- postural defect as obstacle in learning to swim. [W. Dega] *Verhandl. d. Gesellsch. f. Verdauungs- u. Stoffwechselkr.* (1936) 13:132-36. 1937
- relation between tests of motor ability and rate of learning to swim [Dorothy Deach] Thesis. Univ. Illinois. 1934
- relation of buoyancy to the learning rate in beginning swimming. [Edith A. Aldrich] Thesis. Univ. Iowa. 1935
- relationship between measures of swimming achievement, fear, motor ability, and rhythm among college women. [Dorothy Dow Rogers] Thesis. Univ. Iowa. 1934

PLAY METHOD. See *Teaching, game method*

PROGRAM-PLANNING. See *Curricula, program-planning*

PROGRESSIONS. See *Teaching, lessons*

PSYCHOLOGY. See also *Teaching, methods*

—psychology of swimming instruction. [T. K. Cureton, jr] *Beach & Pool.* May-June 1931

SELF INSTRUCTION, are you a swimmer? *Chapter* (p279-85) from *Play the Game, the Book of Sport.* Ed. by Mitchell V. Charnley. 344p Jr. Lit. Guild. 1931

—hints for swimmers. *Nation.* Aug. 26, 1925

—how do you swim? [G. H. Corsan] *Good Health.* June 1924

—how to learn. [S. Hawley] *Country Life.* Aug. 1906

—how to master swimming. [Annette Kellermann] *Phys. Cul.* July 1910

—how to swim. [Lillian Baynes Griffin] *Munsey's.* July 1900

—improve your swimming. [Albert W. Gray] *Scholastic.* Jan. 13, 1934

—it's as easy to swim as to walk. *Pop. Mechan.* Aug. 1926

—recipe for swimming. (il) [S. Smith] *Woman's Home Comp.* July 1934

—short cut to swimming. [J. P. Thompson] *Outing.* July 1902

—simplified swimming. [I. K. Eaton] *Delineator.* July 1921

—swimming and swimming strokes. Practical course in self-tuition. [Ross McGillvray] 75c 88p Regan. 1923

—swimming; be your own instructor. [Edward Diedrich Dierolf] 50c 21p Miller. 1915

—swimming made easy. [Earl W. Douglas] *Beach & Pool.* July-Sept. 1934

—teach yourself to swim. [Margaret P. Hamilton] \$1.25 *McLeod.* 1935; also \$1 *Whitman.* 75c *Burt.* 1936

—teach yourself to swim. [Paul H. Huedepohl] *Free.* 20p *Jantzen.* 1934

—teaching oneself how to swim. [I. G. Tabor] *Country Life.* Aug. 1909

—teaching yourself to swim. [C. H. Claudio] *Woman's Home Comp.* Aug. 1910

—teaching yourself to swim. [Frank E. Dalton] *Delineator.* July-Sept. 1918

—you can learn to swim. (il) [G. Kistler and I. W. Anthony] *Sat. Eve. Post.* June 13, 1931

SOLDIERS. See *Military Use; Military Use, historical material*

STUDENT ASSISTANCE, student leadership in swimming. [Eva C. Lyman] *Scholastic C.* Feb. 1932

—supervision of student teachers in swimming. [Alma V. Jones] *Swim. Pool Data & Ref. Ann.* 6:39; 80. 1938

THROUGH PAGEANTS AND PLAYS. See also *Exhibitions*

—[W. E. Longfellow] *Am. City.* July 1926

USE OF MUSIC. See also *Exhibitions*

—effect of music on heart rate. [A. T. Moren] Thesis. Springfield Col. 1921

- effect of music upon motor coordination. [A. F. Fink] Thesis. Springfield Col. 1921
- genetic study of rhythm. [C. R. Squire] Am. J. Psychol. July 1901
- music drill for infants. [A. Alexander] Philip. 1889
Twenty pages devoted to Music for swimming.
- music from the psychological standpoint. [J. F. Bresnahan] Train. Nurse & Hosp. Rev. May 1927
- swimming to music. [P. N. Stone] Etude. Aug. 1923
- WOMEN AND GIRLS.** See also Curricula, colleges and universities
- aids to efficient swimming instruction for girls and women. [Ann Avery Smith] News J. May 1931; also J. Health & Phys. Educ. Sept. 1931
- beginning strokes in swimming for girls of college age. [C. P. McClanahan] Thesis. 66p Univ. Wisconsin. 1929
- effect of swimming upon vital capacity and physical efficiency of university women students. [Alice Bonar] Thesis. Univ. Illinois 1932
- girl who wants to swim. [Annette Kellermann] Ladies' Home J. July 1915
- Hill's athletics and outdoor sports for women. [Edwyn W. Sandys] Macmillan. 1903
Chapter on Swimming.
- how a woman may learn to swim. Rev. of Rev. July 1904
- new era of swimming for women. [C. B. Foltz] Swim. July 1925
- rating of the swimming ability of women at the University of California. [Ann Avery Smith] Thesis. 129p Univ. California, Berkeley. 1932
- respiratory habits of trained women swimmers. The crawl stroke. [Rachel Jane Benton] Thesis. Univ. Iowa 1932
- survey of available material on sports for women. [Gertrude Mae Kunkler] Thesis. Peabody Col. 1935
- swimming for women. [G. H. Corsan] 10c Womans Press. 1919
- swimming for women. (Spalding's Athletic Library No. 107R). [L. de B. Handley] 25c Am. Sports Pub. 1928
- swimming for women. [T. Sohat] Country Life. Aug. 1919
- swimming for women and girls. [C. Hamilton] Pa. 40c Scribner's. 1906; rev. ed. 1s. 6d. Ath. Pub.
- swimming for women: handbook and syllabus arranged for teachers and students. [Lorraine L. Cadwell] 1920. 75c 55p Univ. California, Berkeley. 1920; abstract Am. Phys. Educ. Rev. Nov. 1919
- teaching of swimming and diving to women. [Ann Avery Smith] J. Health & Phys. Educ. Feb. 1934
- teaching women to swim. [L. de B. Handley and E. U. Meehan] Outing. Jan. 1917
- things a woman should know in learning to swim. [C. Dalton] Outing. July 1904
- why and how girls should swim. [Annette Kellermann] Ladies' Home J. Aug. 10, 1911
- women's swimming. [L. de B. Handley] Beach & Pool. Nov. 1937
- Tegg, Thomas.** Art of swimming. 1s. 40p London, 111 Cheapside. The Author. 1805
- Telegraphic Meets.** See Meets, telegraphic
- Temperature, Body, Influence of Swimming on.** See Physiological Aspects, body weight and temperature
- Temperature Control in Pools.** See Pool Buildings and Water, Heating of, temperature control
- Templeton, H. J.** See Legge, R. T. jt. auth.
- Tenney, R. K.** Gas heat keeps outside swimming pool at constant temperature. Am. Gas J. April 1930
- Tepper, R. H.** See Hellebrandt, Frances A. jt. auth.
- Teran, C.** Heating swimming pools. Heat. & Ventil. Feb. 1912; also Mind & Body. Oct. 1912
- Terrien, F.** Les conjonctivités contractées dans les piscines. Paris méd. Nov. 11, 1922
- Tests** See also Teaching
 - do you grade or guess? [Evelyn Spindler] J. Health & Phys. Educ. Oct. 1931
 - experimental testing of ability and progress in swimming. [Walter J. Osinski] Thesis. 91p Massachusetts State Col. 1933
 - history and significance of tests in physical education. [H. A. Smith] Thesis. Univ. Akron. 1928
Swimming, Chapter 3.
 - method for rating efficiency in swimming on the basis of cardiac response. [David A. Armbruster] Thesis. Univ. Iowa. 1931
 - percentage tables for proficiency swimming. [J. I. Smith] Mind & Body. March-April 1914
 - physical efficiency as measured at the University of California. [Frank Louis Kleeberger] Res. Quart. May 1932
 - practical hints to teachers: aquatic tests. [W. Sterry Brown] Am. Phys. Educ. Rev. Oct. 1928
 - rating of the swimming ability of women at the University of California. [Ann Avery Smith] Thesis. 129p Univ. California, Berkeley. 1932
 - relation between tests of motor ability and rate of learning to swim. [Dorothy Deach] Thesis. Univ. Illinois. 1934

BIBLIOGRAPHY OF SWIMMING

Tests—Continued

- swimming—on an efficient grading basis. [Ernestine A. Troemel] Am. Phys. Educ. Rev. June 1928
- swimming tests. [M. Schloth] Phys. Train. March 1924
- tests, scales, and performance standards for swimming. [T. K. Cureton, jr.] Thesis. Teachers Col. 1938
- ACHIEVEMENT**, achievement records in swimming. [Charlotte W. Anderson] J. Health & Phys. Educ. May 1930
- achievement scale for the crawl and the side stroke in swimming for women. [Dorothy G. MacLean] Thesis. 17p Univ. Washington. 1938
- achievement tests in swimming. [Mary Grant Parkhurst] J. Health & Phys. Educ. May 1934
- charting progress in swimming and water activities at camp. [H. S. DeGroat] Am. Phys. Educ. Rev. May 1923
- from tadpole to seal—swimming in an organized summer camp. [Marie Manchee] J. Health & Phys. Educ. June 1932
- national physical achievement standards for boys. [National Recreation Association] 10c N.R.A. 1936
- relationship between measures of swimming achievement, fear, motor ability, and rhythm among college women. [Dorothy Dow Rogers] Thesis. Univ. Iowa. 1934
- swimming efficiency tests for high school and elementary boys and girls. Mind & Body. June 1920
Tests used in Cincinnati schools.
- BADGE**, boys' and girls' badge test and entry blank. [Playground Athletic League, Swimming Section, 1927] Am. Phys. Educ. Rev. May 1928
- national physical achievement standards for boys. [National Recreation Association] 10c N.R.A. 1936
- popularizing the swimming badge tests. [National Recreation Association] Recrea. July 1933
- swim for it: new emblem of National Recreation Association sets three goals for water sports efficiency. [National Recreation Association] J. Health & Phys. Educ. Oct. 1932
- swimming badge tests for boys and girls. [National Recreation Association] rev. May 1, 1936. Single copies free; additional copies 10c ea. N.R.A.; also Am. Phys. Educ. Rev. May 1929; also Playground. July 1929; also Mind & Body. Sept.-Oct. 1931
- BOY SCOUTS**. See also Curricula, Boy Scouts
- be prepared for merit badge examinations; life saving. [Boy Scouts of America] 10c Boy Scouts. 1919
- swimming merit badge pamphlet. [Boy Scouts of America] Free. Boy Scouts
- CALIFORNIA DECATHLON**, California decathlon tests and their relation to educational tests and measurements. [George Hjelte] Am. Phys. Educ. Rev. Jan. 1922
- CAMP FIRE GIRLS**. See also Curricula, Camp Fire Girls
- health craft honors: water activities. [Camp Fire Girls, Inc.] Section (p36-7) from Book of the Camp Fire Girls. 247p Camp Fire Girls. 1936
- swimming honors: descriptions of tests leading to emblems for polliwogs, frogs, fish and flying fish. [Camp Fire Girls, Inc.] Section (p41-3) from Book of the Camp Fire Girls. 247p Camp Fire Girls. 1936
- CIVIL SERVICE**. New York Civil Service examination for swimming instructor. [Leonard Felix Field] Mind & Body. May 1918
- CLASSIFICATION**, swimming classification tests. [Ernestine A. Troemel] Thesis. Univ. Wisconsin. 1928
- COORDINATION**, coordination tests of swimming. [Charles T. Wilson] Thesis. Springfield Col. 1933; abstract Res. Quart. Dec. 1934
- DIVING**. See Diving
- FOR COLLEGE GRADUATION**, colleges require women students to swim. School Life. Sept. 1924; review Am. Phys. Educ. Rev. Jan.-April 1924
- FOR ENDURANCE**. See Speed Swimming, endurance test
- FORM**, crawl form rating scale. [Ann Avery Smith] Water Sports. 1935-36
- form swimming rating scales. [Ann Avery Smith] Mimeo. 50c Detroit, Mich., Wayne University. The Author. 1934
- GIRL SCOUTS**. See also Curricula, Girl Scouts
- badges and awards of a Girl Scout local council. [Girl Scouts, Inc., Program Division] Girl Scouts. April 1930
- life saver badge. [Girl Scouts, Inc.] Section (p53) from Girl Scout Program Revised 1938. 112p Girl Scouts
- swimmer badge. [Girl Scouts, Inc.] Section (p51-52) from Girl Scout Program Revised 1938. 112p Girl Scouts
- LIFE SAVING**. See Life Saving
- MERIT BADGE, FOR SWIMMING AND LIFE SAVING**. See Tests, Boy Scouts; Tests, Girl Scouts
- NATIONAL RECREATION ASSOCIATION**. See Tests, badge
- OBJECTIVE**, objective standards in grading swimming. [Marion Mattern] Univ. California, Los Angeles

—objective swimming test as a requirement for graduation in colleges and universities. [Marjorie Camp] Unpublished paper read at Mid-West College Directors Meeting, March, 1932

—objective tests of swimming. [T. K. Cureton, jr.] Thesis, Springfield Col. 1930. *Abstract Beach & Pool*. July 1931

—subjective and objective grading of the elementary back stroke in swimming. [Katherine S. Trumbull] Thesis, Colorado State Col. Educ. 1933

OF RESUSCITATION. See Resuscitation, tests

RECORD CARDS, student's swimming record card. [Marie W. Bishop] Beach & Pool. Aug. 1932

TEACHERS' CERTIFICATE, teachers' certificate for swimming. [Amateur Swimming Association of England] A.S.A.

TULEY HIGH SCHOOL, [Howard Gross] Mind & Body. April 1926

U.S. NAVAL ACADEMY, manual of athletic requirements. [U.S. Naval Academy] U.S. Naval Acad. 1927

Y.M.C.A. See Curricula, Y.M.C.A.; Life Saving, Y.M.C.A.

Tests of Water. See Water Analysis

Teutsch, A. Basel garden baths: Swiss open-air pools. Baths & Bath Engin. Dec. 1936

Texas Beach and Pool Association

—ninth annual meeting. [Katheryn Madden] Beach & Pool. July 1937

Texas State Board of Health. Minimum swimming pool standards. Free. 7p Texas State Board Health. 1937

Texts

See also under specific subjects

BEFORE 1800, l'art de nager, démontré par figures, avec des avis pour se baigner utilement (art of swimming, illustrated by figures, with advice for bathing). [Melchisedech Thévenot] 1st ed. 47p Moette. 1696; 2nd ed. Moette; 3rd ed. 47p Desvent, de la Doue. 1699; 4th ed. 363p Lamy. 1782; reprints of 4th ed. 1786. 1825. Title varies slightly. English editions: 1st ed. 84p London. 1699. Printed for Dan Brown at the Swan without Temple Bar; J. Leigh and D. Midwinter at the Rose and Crown, and Robert Knaplock at the Angel, in St. Pauls churchyard. 2nd ed. 82p Lever. 1764. 3rd ed. 82p London. 1789. Copies are in the New York Public Library and Huntington Library, San Marino, Calif.

—l'art de nager: ou, Invention à l'aide de laquelle on peut toujours se sauver du naufrage &, en cas de besoin, faire passer les plus larges rivières à des armées entières (art of swimming: or, Invention with the help of which one can always save one's self in shipwreck, and in case of need to allow whole armies to cross the largest rivers). [Jean Frederic Bachstrom] 70p Chatelain. 1741

—art of swimming; being a short introduction for to learne to swimme; gathered out of Master Digbies Booke of the art of swimming and translated into English for the better instruction of those who understand not the Latine tongue. [Christofer Middleton] 42p London. 1595
Printed by James Roberts for Edward White, to be sold at the little north doore of Paules church, at the sign of the Gun.
First translation of Digby's book.

—art of swimming, with advice for bathing. [J. M'Iver] 1794. Lever. 1794 Tr. by Thévenot.

—colymbetes; sive, De arte natandi, dialogus et festivus et iucundus lectu (swimmer, or the art of swimming, a dialogue jovial and pleasant to read). [Nicolaus (Nicolas) Wynman] 96p Ingolstadt, Bavaria. 1538
Commonly believed to be the first book in the world on swimming.
A copy is in the British Museum, one in the Bibliothèque Nationale and one in the library of Trinity College, Dublin.

—compleat swimmer; or, The art of swimming: demonstrating the rules and practice thereof, in an exact, plain and easie method, necessary to be known and practised by all those who studie or desire their own preservation. [William Percey] 90p London. 1658
Printed by F. C. for Henry Fletcher at the three Cups in Paul's church-yard near the west-end. Second translation of Digby with an occasional original paragraph.
Copies are in the Library of the British Museum, Birmingham Free Library and Edinburgh Public Library.

—de arte natandi libri duo, quorum prior regulas ipsius artis, posterior verò praxin demonstrationemque continet (art of swimming in two volumes, the first on self instruction, the second containing practical demonstration). [Everard Digby] 114p Dawson, 1587
Original in Latin. English translation by Middleton in 1595. English translation with additions by Percey in 1658. French translation by Thevenot. For dates see Thevenot.

—de thermis (concerning warm spring baths and the usefulness of swimming while bathing). [A. Bacci] 1571

—discurso en que se satisfaze a la duda de las conveniencias del uso del nadar (discourse on that which satisfies the doubt of the convenience of the art of swimming). [Pedro G. Galtero] 22p Madrid, Spain. 1644

—kleines Lehrbuch der Schwimmkunst zum Selbstunterrichte (small text of the art of swimming for self instruction). [J. C. F. Guts Muths] 124p Weimar, Germany. 1798

Texts—Continued

BEFORE 1800—Continued

- manuel du nager; ou, De la pratique de l'art de nager (manual of swimming; or, The practice of the art of swimming). [Prevost Desfourneaux] 1788; 166p 1790; 51p Cailleau. 1821; Bloquel. 1821
Published anonymously.
A copy of the ed. of 1821 which was published by Bloquel at Rouen, France, may be found in the Free Library, Birmingham, Eng.
- méthode sûre pour apprendre à nager en peu de jours (certain method of learning to swim in a few days). [Nicolas Roger] 36p Legras. 1783
- new art of swimming, with Dr. Franklin's Directions to swimmers and Dr. Buchan's Advice on river and sea-bathing. [Printed for Ann Lemoine] 38p London, White Rose Court. The Author. 1798(?)
- l'uomo galleggiante; o sia, L'arte ragionata del nuoto (complete gentleman, or, a Method of learning to swim). [Oronzo de Bernardi] 260p Stamperia. 1794
- vollständiger Lehrbegriff der Schwimmkunst auf neue Versuche über die spezifische Schwere des menschlichen Körpers gegründet (comprehensive course of teaching new methods of the art of swimming based on the specific weight of the human body). [Oronzo de Bernardi] 251p 2v Indus.-Comp. 1797
Translated from the Italian and accompanied by notes by Friedrich Kries, professor at the Gymnasium at Gotha.
- FROM 1800 to 1850, advice to all who bathe for amusement, health, or who are desirous of acquiring the art of swimming—in which is clearly shown the impossibility of an accident happening when equipped with the invention called the Seaman's friend and bather's companion. [W. H. Mallison] 48p Cornhill, Eng. 6 St. Michael's Alley. The Author. 1812(?)
- advice to bathers. 6d. London. 1810
Cheap plagiarism of works of Thévenot and Franklin.
- angler's companion; or, Perfect instructor in that useful and pleasing recreation, to which is added The art of swimming. 28p Hodgson. 1821. 1828
- Anleitung zur Schwimmkunst (instruction in the art of swimming). [J. Jérôme] Mainz, Germany. 1824
- l'art de la natation (art of swimming). [Turbi] 1st ed. 32p Fayet. 1840; 2nd ed. Levy. 1842
Facsimile of manuscript.
- art of angling with The art of swimming. [G. Smeeton] 64p London. The Author. 1820(?)
- art of swimming. 6d. 64p Hodgson. 1825
- art of swimming. [Thomas Tegg] 1s. 40p London, 111 Cheapside. The Author. 1805
- art of swimming; a series of practical instructions, an original and progressive plan by which the art of swimming may be readily attained with every advantage of power in the water; accompanied with twelve copper-plate engravings, comprising twenty-six appropriate figures correctly exhibiting and elucidating the action and attitude in every branch of that invaluable art, to which is added, Dr. Franklin's treatise, also some anecdotes respecting swimming. [J. Frost] 72p Gallaudet. 1818
- art of swimming containing easy and simple directions. 6d. 28p Walwyn. 1831
- art of swimming containing instructions relative to, with cautions to learners and advice for bathing, to which is added Dr. Franklin's advice, Dr. Buchan's remarks on river and sea-bathing; an account of Mr. Mallison's invention called the Seaman's friend, or bather's companion and the rules and directions of the R. H. S. for restoring to life persons apparently drowned. 1st ed. 24p 1810; 2nd ed. 36p Mason. 1815(?)
- art of swimming exemplified by diagrams from which both sexes may learn to swim and float on the water; and rules for all kinds of bathing in the preservation of health and cure of disease, with the management of diet from infancy to old age, and a valuable remedy against seasickness. [James Arlington Bennett] 103p Collins Bros. 1846
- art of swimming: Fairburn's edition. [J. Fairburn] 16p 1824; reprint 24p London, 110 Minories. The Author. 1830
- art of swimming made safe, easy, pleasant and healthful by attention to the instructions herein set forth; to which is added Cautions to learners and advice for bathing by the late celebrated Dr. Benjamin Franklin. 24p Bailey. 1819
- art of swimming, the utility of, etc. [A. M. Payne] 2s. 56p Horne. 1841
Prize essay of the National Swimming Society for 1840. Published jointly with essay written by James Mason in 1839.
- arte de nadar compendiado (compendium of the art of swimming). [Oronzo de Bernardi] 190p Alban. 1807
- l'arte del nuoto (art of swimming, theoretical-practical; demonstrated according to the principles of physics, with appropriate figures). [Adolfo Corti] 171p Fracasso. 1819

- bather's and swimmer's pocket companion, containing precautionary rules in case of accidents both for bathers and swimmers. 1d. 16p [W. M. Clark. 18- (?)]
- beknopte Handleiding tot de Zwemkunst; of, De Kunst om in korten Tijd het Zwemmen en Duiken in alle Opzichten volkommen te Leeren (short introduction to the art of swimming; or, The art of perfectly learning in a short time swimming and diving in all its branches). [D. Noothoven van Goor] 125p Brandenburg. 1826
- l'école de natation, contenant une méthode facile pour apprendre à nager seul en fort peu de temps, destinée aux deux sexes et mise à la porte de tout le monde (school of swimming, containing an easy method for learning to swim well in a short while, designed for both sexes and placed at the disposal of everyone). [Alexandre Kugge de Derpt] 14p Paris, rue Saint-Avoye 63. The Author. 1845
- elementary course of gymnastic exercises intended to develop and improve the physical powers of man: with the report made to the Medical Faculty of Paris on the subject: and A new and complete treatise on the art of swimming. [P. H. Clias] 1809; 4th ed. 10s. 6d. 184p Sherwood, Gilbert & Piper. 1825
- friend in need; or, The complete art of swimming also resuscitation, recommended by the Humane Society of London, to which is added A preventive against the cramp, a statement, correctly made, of the many lives lost in the River Eden and other rivers in Cumberland from 1798 to the present time. [H. Watson] 1s. 34p Jollie, printer. 1819
- das Ganze der Schwimmkunst (whole art of swimming). [T. F. Nickol] 84p Fuerst. 1841
- le guide des nageurs; ou, Méthode sûre pour apprendre à nager en huit leçons (guide for swimmers; or, A sure method for learning to swim in eight lessons). [Louis Poissonnier] Delacour. 1813
- hand-book for bathers; or, Hints on the various kinds of baths, with directions for swimming. [Medical Member of Her Majesty's Household (D. W. Jobson)] 47p Churton. 1846
- hand-book of bathing. 146p Chambers; Orr. 1841
- handbook of swimming. 1d. 36p London. 1844
Printed for the book sellers.
- handbook of swimming. [George Routledge] 64p Routledge. 18- (?)
- Handbuch der Schwimmlehre (hand-book of swimming instruction). [Max von Hoderlein] 54p Wurzburg, Germany. 1832
- der kleine Schwimmer (little swimmer). [L. J. Lehmann] Hamburg, Germany. 1845
- kort anvisning til at lære at svømme (short book of instructions on the teaching of swimming). [F. Nachtegall] 24p Copenhagen, Denmark. 1834
- die Kunst, in 24 Stunden ein geschickter Schwimmer zu werden (how to become a good swimmer in 24 hours). [C. L. Hoffmann] 35p Hamburg, Germany. 1836
- de Kunstmatische ademhaling tot herstelling van schijndooden (art of breathing completely presented for swimmers). [A. W. M. Hasselt] Utrecht, Holland. 1847
- kurzgefasste und gründliche Anweisung zu Erlernung der Schwimmkunst (short and thorough instructions for learning the art of swimming). [Otto von Corvin Wiersbitzki] 3rd ed. 88p Leipzig, Germany. 1842
- manuel des baigneurs, précédé de L'histoire des bains, suivi d'Un traité de la natation (manual for bathers preceded by The history of the bath, followed by A treatise on swimming). [V. Raymond] 148p 1840; 158p Desloges. 1841
- manuel du nageur; ou, Principes nouveaux pour se perfectionner dans la natation, suivi de L'art de plonger avec grace, orné de gravures (manual of the swimmer; or, New principles for perfection of one's self in swimming, followed by The art of diving with grace, adorned with pictures). Locard August. 1819
- new and complete art of swimming with full necessary directions. [Printed for J. Quick] 6d. 26p Newman. 1815(?)
- Notizen über Gymnastik in Vorzugsweiser Beziehung auf die zweckmässige Anwendung der kalten Bader in offenen Wassern und der Schwimmkunst (notes on gymnastics with special regard to the practical employment of cold baths in open water and the art of swimming). [V. Mekarski von Menk] Vienna, Austria. 1831
- nouveau guide des nageurs; ou, Méthode infaillible pour apprendre à nager en peu de jours (new guide for swimmers; or, An infallible method of learning to swim in a few days). [Nicolas Roger and Melchisedech Thévenot] Delarue. 1820(?)
- nuevo arte de nadar, recopilado de los mejores autores que han escrito sobre la materia, especialmente de las obras de Thévenot y del célebre luzzo [sic] Nicolas Roger; dispuesto en cinco lecciones y adornado con láminas por varios aficionados (new

BIBLIOGRAPHY OF SWIMMING

Texts—Continued

FROM 1800 TO 1850—Continued

art of swimming, compiled from earlier authors who have written on the subject, especially from the works of Thévenot and the celebrated diver Nicolas Roger; arranged in five parts, with plates by various artists). Madrid, Spain. 1848

—on the art of swimming, the utility of, etc. [James Mason] 2s. 56p Horne. 1841

Prize essay of the National Swimming Society for 1839. Published jointly with essay written by A. M. Payne in 1840.

—Orr's Book of swimming as practiced and taught in civilized nations and used for preservation of health and life. 36p Orr. 1846

—Paris dans l'eau (Paris in the water). [Eugène Briffault] 138p Hetzel. 1844

—der philanthropische Schwimmeister (philanthropic swimming master). [Carl Csillagh] 43p Vienna, Austria. 1841

—practical swimming book, and poem on swimming, describing its dangers, uses and advantages; interspersed with anecdotes: shipwrecks; ancient and modern Greece compared; the state of ancient Rome and modern Rome; the ancient Romans' and Greeks' practice in swimming; with a description of the glorious battle of the Nile; and a new song-tune God Save the Queen. [Paulin Huggett Pearce] 48p Kinder. 1843

—praktische Anweisung zur Schwimmkunst nach der V. Pfuel'schen Methode (practical instruction in the art of swimming according to the method of V. Pfuel). [F. G. Kellenbeil] Basse. 1842

—remarks on baths, water, swimming. [M. L. Este] Ridgway. 1811; Mitchell. 1812; *reprint* Mitchell. 1845

—scientific swimming; being a series of practical instructions on an original and progressive plan, by which the art of swimming may be readily attained with every advantage of power in the water; accompanied with twelve copper-plate engravings, comprising twenty-six appropriate figures correctly exhibiting and elucidating the action and attitude in every branch of that invaluable art. [J. Frost] 8s. 40p Darton. 1816

—seaman's friend: advocating the use of a life belt devised by the author instead of learning to swim. [W. H. Mallison] 44p London. 1804

—swimmer's and skater's guide, containing rules founded on experience for acquiring a perfect knowledge of those agreeable, healthful and invigorating arts: to which are added directions taken from the proceedings of the Royal Humane Society, instituted for the recovery of drowned persons. 24p Thomas Richardson. 1838(?)

—swimmer's hand-book; wherein are many valuable precepts, which, if the reader strictly follow, he will soon become an expert swimmer. [John Leighton] 56p Tyas; Menzies. 1838(?) Routledge. 1841; *reprint under title Swimming*. (Routledge Six-penny Hand-books)

—swimmer's manual. 1d. 14p London. 1848(?)

—system of swimming; the only rules for a quick initiation into the same. [Stevens] 1st ed. 1837; 2nd ed. 24p Biggs. 1845

—théorie du nager de l'homme (theory of the swimming of man). [P. P. Fournier d'Adissan] 23p Martel. 1815 Presented to and published by the Faculty of Medicine of Montpellier.

—traité de la natation; ou, L'art de nager est démontré avec la plus grande précision (treatise on swimming, or The art of swimming demonstrated with the greatest precision). 36p. 1843; 1845; 54p 1853; 5th ed. 62p 1855; 6th ed. 1859; 7th ed. 1865; 8th ed. 1868; 9th ed. Desloges. 1899 Title varies.

—treatise on the art of swimming. [Paulin Huggett Pearce] 32p London, 5 Harbour St., Ramsgate. The Author. 1842

—twelve maxims on swimming. [William Clarkel] 30p Tilt. 1833 Published anonymously.

—ueber das Schwimmen: zweite vermehrte und verbesserte Auflage (concerning swimming: 2nd enlarged and improved edition). [Ernst von Pfuel] 51p Duemmler. 1817. 1827

—Unterricht in der Schwimmkunst nebst einem Heft Abbildungen (instruction in the art of swimming with illustrations, after the method of teaching). [Carl Heinitz] Strauss. 1816

—Vorschriften für der Schwimmunterricht (directions for swimming instruction). [Hauptmann Purkart] Munich, Germany. 1827

—der Wasserfreund (waterfriend). [J. D. Holznmann] Vienna, Austria. 1824

—whole art of swimming. [T. Hughes] 40p London, 35 Ludgate St. The Author. 1820

FROM 1850 TO 1900, A. B. C. of swimming, being easy steps for self instruction. (Warne's Bijou Books). (col ills). [J. G. Wood] 6d. 95p Warne. 1866

—adventurous life and daring exploits in England and America of Captain Matthew Webb. [Henry Llewellyn Williams] 1d. 8p Smith. 1883(?)

—American swimming manual. [John Price Fletcher] 43p Riverdale. 1899

- animal locomotion; or, Walking, swimming, and flying. [J. Bell Pettigrew] (International Scientific Series, v7). 1st ed. 264p 1873; 2nd ed. London. 1874
- Anleitung zur Ertheilung der Schwimmunterrichts (introduction to the division of the teaching of swimming). [Adolph von Buonaccorsi di Pistoja] Vienna, Austria. 1880
- Anweisung selbst Schwimmen zu Lernen (instruction for swimming self-taught). Berlin. 1859
- l'art de mer et en rivières appris sans maître (art of the sea and rivers learned without a teacher). [J. P. A. Dufló] 1st ed 92p 1866; 2nd ed. 88p Taride. 1885
- art of boxing, swimming and gymnastics made easy. [Henry Llewellyn Williams] New York City. 1883 Published for the trade.
- art of swimming. (Dean's Champion Handbooks). [Davis Dalton] 1s. 44p Dean. 1891
- art of swimming. [Nageur, pseud] 12p Goode. 1880(?) Author's real name believed to be Benjamin Clayton.
- art of swimming. [Matthew Webb] 2s. 6d. 111p 1875; 2nd issue. Ward, Lock & Tyler. 1877(?) Ward, Lock. 1878(?)
- art of swimming; a short treatise; being a few useful and practical remarks. [March] 2d. 8p Gas Power Printing W. 1888
- art of swimming in the Eton style. (il) [Leahy] 99p Macmillan. 1875
- art of swimming made easy. [J. Neal] 41p London, 61 St. Johns Square. The Author. 1868
- art of swimming with easy instruction for plain and fancy swimming. [Benjamin Clayton] 1d. 8p Goode. 1879
- art of swimming with hints on bathing and instructions to beginners. [C. E. Stewart] 25p Clark. 1885 Dedicated to Andrew Carnegie, donor of the baths, Carnegie Swimming Club, of which the author was secretary.
- art of swimming with observations on the saving of life, sea bathing, training for swimming, etc. (The Champion Handbooks). [Henry Gurr] 6d. 56p Darton & Hodge. 1866; *reprints* Lea. 1868(?); Grapho Co. 1872(?); Dean & Son. 1874(?)
- der ausdauernde Schwimmer (persevering swimmer). [Carl von Orofino] Vienna, Austria. 1879
- bath and the beach; or, All about bathing with instructions how to swim and how to save from drowning. [A. M. Robinson] Sampson Low, Marston. 1871
- bather's guide and athlete's companion. [Harry W. Fisk] 6d. 100p Portsmouth Swim. Club. 1878
- bather's manual. [William Wilson Somers. 1883
- bathing and swimming without danger of drowning. [T. L. Nichols] 32p Aquat. Saf. Co. 1870; Farrah & Co. 1873
- bathing in London. [Hadley Prestage] 38p Shoreditch. 1877
- Beadle's Dime guide to swimming, embracing all the rules of the art for both sexes. [Philip Petersen] 10c 40p Beadle. 1863
- beknopte Handleiding tot de Zwemkunst en het Redden van Drenkelingen (short handbook on art of swimming and for the rescue of drowning persons). [W. C. J. H. Plooster van der Roest] 28p Scheltema & Holkema. 1875(?)
- book on swimming. [W. C. Pearson] 24p Delittle. 1888(?)
- boy's guide to swimming. 1d. 8p Gage & Hunter. 1880(?)
- boys' of England swimming guide. 1d. Burnside. 1864(?)
- boy's own illustrated handbook of swimming containing easy rules for self-instruction. 15p March. 1851
- Captain Webb's Swimming companion. [R. March] 1d. 26p March. 1877(?)
- Captain Webb's Swimming instructor. [Matthew Webb] 64p Street & Smith. 1891
- cautions to bathers, containing the first written statement that "cramp is too readily assumed as the cause of drowning." [Royal Humane Society of England] Roy. Humane Soc. 1883
- complete guide to the art of swimming. [H. E. Harberd] 12p London, Red Lion Court, Fleet St. The Author. 1872
- Dipple's Handbook, containing complete treatises on swimming, songbirds, poultry, baths, angling, pigeons, rabbits, bathing. [Francis Benjamin Thompson] 1st ed. 1850; 2nd ed. Dipple. 1851(?) Swimming, p 1-14.
- easy hints on swimming. [Daniel Beaton] 3d. 8p Hamilton. 1885(?)
- Erinnerung an den Schwimmunterricht (reminder of the rules of swimming). [Wilhelm Karl Ritter von Haidinger] 10p Seidel. 1870
- everybody a swimmer: containing full instructions how to learn to swim, together with incidents in the career of the author. [Thomas Coyle] 44p Melville & Haas. 1884
- few words on swimming, with practical hints to beginners. [Ralph Harrington Thomas] 2d. 16p Holyoake & Co. 1861 Published under pseud. (Ralph Harrington).
- das Ganze der Schwimmkunst für Schwimmschüler und Freischwimmer (complete art of swimming for students of swimming and free swimmers). [A. C. Schiffman] Munich, Germany. 1880

Texts—Continued

FROM 1850 TO 1900—Continued

- Godwin Island, a play and swimming book. [Paulin Huggett Pearce] Roberts. 1872(?)
Swimming, p 1-6.
- handbook of athletic sports: rowing and sculling, sailing, swimming. [Ernst Bell] Bell. 1890
- handbook of swimming and skating. [George Forrest] 1858; Routledge & Co. 1860. 1863
Forty pages on swimming by J. G. Wood, (pseud. for Forrest; sometimes given as author).
- Handbuch für den Schwimmunterricht zum Gebrauche an Militärschwimmanstalten (handbook of instruction on swimming for use in military institutions). [Robert von Bartsch] 31p Mitler. 1894
- Handbuch für Schwimmvereine (handbook for swimming clubs). [Georg Kallenbach] 157p Breslau, Germany. 1896
- hints on swimming. [James Finney] 16p Clegg. 1886
- hints on swimming. [William Wilson] 20p Somers. 1879; 19p Cricket Press. 1881
- how to angle and how to swim, containing many valuable hints and rules on angling, also clear and simple directions by which any one may become a proficient swimmer. 6d. 59p New York Pop. Pub. Co. 1870(?)
- how to avoid being drowned, or all about flotation, containing descriptions of the first life buoy. [F. W. Brewster] 98p Roberts & Leete. 1885
- how to learn to swim. [Frederick Cawill] 24p Solomon. 1884
- how to learn to swim. (il. with 14 cuts) [Donald Morrison] 2d. 16p Sunday School Union. 1897
- how to swim. [James Ferguson] 1d. 30p Lockhead. 1894
- how to swim. [Harry W. Fisk] Free. 6p Portsmouth Swim. Club. 1879
- how to swim: a practical treatise upon the art of natation, together with instructions as to the best methods of saving persons imperilled in the water, and of resuscitating those apparently drowned. (il) [Davis Dalton] \$1.50 133p Putnam. 1899
Compiled from various sources without acknowledgment, except to Franklin.
- how to swim, plunge, bathe, float, and dive. [Piscator, pseud] 96p Bradbury. 1871. 1872
- how to teach swimming in class, diagrams and drills, with directions, diagrams, hints, etc. for those learning to swim by themselves. [C. W. A. Brooke and H. Torkington] 34p Philip. 1896
- instructions in the art of swimming. [B. C. Richardson] 51p Ridgway. 1857
- Jahresbericht des Verbandes Hamburger Schwimmvereine (Hamburg Swimming Association annual). [Hamburg Swimming Association] Hamburg, Germany. 1897
- Katechismus der Schwimmkunst (catechism of the art of swimming). (Illustrierte Katechismen). [Max Müller] 101p Hesse. 1891
- Katechismus der Schwimmkunst (catechism of the art of swimming). [Martin Schwägerl] 127p 1880; last ed. Weber. 1901
- kleine Schwimmsschule (swimming-school for the young). [Wilhelm Kehl] 3rd ed. 18p Drell. 1888
- kleines Lehrbuch der Schwimmkunst (little teacher of the art of swimming). [Carl Euler] Rev. ed. 58p Mitler. 1891
- Ladebecks Schwimmsschule (Ladebeck's swimming school). [Hermann Ladebeck] 1878. 1880. 1884. 1888. 1892. 94p Fleischer. 1900
- learn how to swim: pointers about swimming and aquatics: the autobiography of a professional swimmer: hints and suggestions to beginners: a brief treatise on swimming. (il) [Clara Beckwith] 42p Day. 1893
- lessons on swimming. [Bibbero] 3d. Chalfont. 1871; 6d. Crown Pub. Co. 1884
- Life Saving Society's handbook; containing a drill for technical education in the principles of life-saving and resuscitation, a description of the organs of respiration, and articles on plunging, motionless floating, bathing, swimming, and the management of life-saving competitions. [Archibald Sinclair and W. Henry] 1891; rev. eds. 1893. 1894.
- la locomotion dans l'eau, principes élémentaires de natation (locomotion in the water, elementary principles of swimming). [C. Defrançois] 66p Rheims, France. 1870
- manual da arte nadar conforme o sistema de Turbri (manual of the art of swimming according to the system of Turbri). 27p Rio de Janeiro, Brazil. 1854
- manual of swimming, including bathing, plunging, diving, floating, scientific swimming, training, drowning, and rescuing (il. with 11 plates). [Charles Steedman] 5s. 270p Dwight; Lockwood & Co. 1867; 3s. 6d. 1873; 2s. 6d. Lockwood & Co. 1875
- manuale del nuotatore con 97 incisione (manual of swimming with 97 illustrations). [Abbo Pietro Vittorio] Milan, Italy. 1896
- manuel pratique de natation (practical manual of swimming). [François Berthillot] 111p Georg. 1889

- March's Handbook of swimming. [R. March] 32p March. 1874
- la natation et les bains, suivi de quelques indications sur l'art de nager (swimming and baths, followed by several observations on the art of swimming). [Paul Christmann] 1st ed. 92p 1887; 2nd ed. Picard & Kaan. 1888
- la natation; ou, L'art de nager appris seul en moins d'une heure (swimming; or, The art of swimming learned alone in less than an hour). [P. Brisset] 35p Garnier. 1870
- neue und beste Art zu Schwimmen (new and better manner of swimming). [Alfred Keichel] Aderholz. 1897
- new handbook on training for athletic exercises, including aquatics and swimming. [W. E. Morden] 1s. 58p Seale. 1887
- new manual of swimming. [Mensterry] New York City. 1878
- petit traité de natation (little treatise on swimming). [Adolphe Esprit] 36p Méra. 1864
- petite école de natation: nage et plongeage (little school of swimming: swimming and diving). [Ripault] 30p Dijon, France. 1893
- plate swimming with notes on the science of natation. [R. H. Wallace Dunlop] 128p Routledge. 1877
- popular lessons in swimming. [William Wilson] 1d. 39p Hay, Nisbet. 1890
- practical swimmer by one. 28p N. England School Furnish. Co. 1890
- Professional Swimming Association: season 1887: a handbook of officers, origin and progress, captaincy races since 1881 and rules. [Professional Swimming Association] Ramsden. 1887
- report of the physical education sub-committee on bathing accommodations and swimming classes. [London School Board] 42p London. 1890
- rowing almanack: all swimming strokes and safety. [W. H. R. Royston] Kent. 1862
- Schwimmbuch für Knaben und Jünglinge (swimming book for boys and children, a short introduction to learn swimming by simple theoretical and practical means following the father of the swimming Gutsmuths: with a history of the art of swimming and a list of sanitary precautions to be observed before, during, and after a cold bath). [Louis Pommer] 83p Schickhardt & Ebner. 1881
- das Schwimmen (swimming). [W. Auerbach] 1st ed. 1871; 2nd rev. ed. 114p Stubenrauch. 1873
- das Schwimmen (swimming). [O. M. Seidel] 62p Raschte. 1886
- Schwimmen als Kunst und Sport (swimming as an art and a sport: summary of all known methods). [Carl von Orofino] 56p Seidel. 1894
- die Schwimmkunst (art of swimming: theory and historical sketch with a guide for teachers and pupils). [Alphonse Minch] 27p Münster, Germany. 1898
- der Schwimmschule (swimming school: a practical guide for all who wish to learn all kinds of swimming: also a reference book for swimming masters). [Anthony van Buren] 31p Hartleben. 1877
- la science des campagnes: premières leçons de natation (science of campagnes: first lessons of swimming). [J. A. Conseil] 111p Paris. 1865
- shut your mouth and save your life. [George Catlin] 4th ed. The Author. 1870
- suitable bathing dresses as used in Biarritz, with instructions whereby any lady, self-taught, may learn to swim. [W. F. Taylor] Windsor, Eng. The Author. 1864
- swimmers and swimming; or, The swimmer's album. [Charles Newman] 93p Pictorial Press. 1898
- swimmer's companion, being the whole art of swimming clearly explained and made easy, containing the rules for self-instruction, sea-bathing and how to proceed in cases of supposed drowning. [James Kay] 2d. Glasgow, Scotland. The Author. 1882(?)
- swimmer's companion, containing the easiest and most beneficial method of learning, with instructions in the most clever feats practiced by expert swimmers. 15p Kerton. 1852
- swimmer's handbook, containing the whole art of swimming (figure springing) with advice to bathers, by Dr. Franklin. 30p Elliot. 1854
- swimmer's practical manual of plain facts, and useful hints, especially adapted for the use of learners; with valuable rules and instructions on training for matches; also the precautions to be observed and measures to be adopted in rescuing persons when drowning. [William Woodbridge] 40p Wade. 1864
- swimming. (ii) [Martin Cobbett] 64p Stokes. 1890
- swimming. (ii) [Martin and J. Racster Cobbett] 1s. 64p Bell. 1891. 1895 Frequent reprints after 1895.
- swimming. [Archibald Sinclair] 96p 1894; 148p Routledge; Dutton. 1909
- swimming: a bibliographical list. [Ralph Harrington Thomas] John R. Smith. 1868; 488p Sampson Low, Marston. 1904

Includes lists of books published in English, German, French and other European languages; critical remarks on the theory and practice of swimming, diving and resuscitation; critical remarks on biography, history and bibliography; more than one hundred illustrations.

BIBLIOGRAPHY OF SWIMMING

Texts—Continued

FROM 1850 TO 1900—Continued

- swimming: a book devoted to the art of swimming, diving, plunging, and a chapter on training. (Spalding's Athletic Library No. 25). [Walter G. Douglas] Pa. Am. Sports Pub. 1894
- swimming and its attendant accomplishments for the use of school teachers and others. [P. M. Salmon] 6d. 12p A. T. Clark. 1883
"A short treatise on the art of swimming, diving, etc., which will enable a teacher, male or female, to impart instruction, whether able to swim or otherwise."
- swimming and life-saving. [W. D. Andrews] 136p Briggs. 1899
- swimming and swimmers: a manual compiled under the sanction of the London Life Saving Club, with an account of the progress of the art during the last twenty years, and a short notice of the swimming baths of the metropolis. [W. H. Leverell, comp] 44p London Life Saving Club. 1861; London, 29 Bedford St. The Compiler
- swimming annual, containing careful and reliable information regarding records, winners, etc., of the various championships (first in 1858) with photos of winners for 1896. [A. Thomson Mylles] 41p Edinburgh Ath. Times. 1897
- swimming cards: complete self-instructor for both sexes. [Hobson Bocock] 3d. Hannan. 1888
Cards enclosed in a case, each card having two lessons.
- swimming club directory for the United Kingdom. [William Smith, comp., for Llandudno Club] 88p Llandudno Club. 1885
"Containing a list of upwards of 200 clubs, committees etc, metropolitan and provincial championships, champions and captains of clubs, the names and addresses of honorary secretaries, London and provincial baths, amateur and professional records, remarkable performances, laws of amateur swimming, rules for water polo, methods of restoring the apparently drowned, temperature of air and water, hints on bathing."
- swimming, diving and how to save life. [William Wilson] 2s. 142p Kerr & Richardson. 1876
- swimming drill, describing the plan of instruction used in the French army. [H. Torkington] 18p W. Mitchell. 1876
- swimming for the million made easy: how to learn in twenty minutes by young or old: swimming reduced to simplicity by vigo (re). [Henry Preston Thorp] 1st ed. 12p Civil Service Pub. Co. 1877(?)
- swimming handbook. (Pastime Series). [Archibald Sinclair and Arthur Cook, eds] 75p Pastime. 1890
- swimming instructor: a treatise on the arts of swimming and diving (il. with plates drawn from life, by Alexander Davidson). [William Wilson] 150p Cox. 1883
- swimming made easy, with plain instructions for learners, showing the various styles of swimming, advice to bathers, caution and treatment recommended by the R. H. S. to restore persons apparently drowned, and figure swimming. 12p Elliot. 1860(?)
- swimming, skating, rinking and sleighing, their theory and practice. (Captain Crawley's Handbooks). [Rawdon Crawley] 1s. 128p Ward, Lock. 1878
- swimming. (The Oval Series of Games). [Archibald Sinclair] 96p Routledge. 1894
Ed. by C. W. Alecock.
- technique of natation; methods for teaching swimming in or out of the water (patented: no. 11,320—1895). [William James Norley] London. The Author. 1895
- traité de natation; ou, L'art de nager en rivières et en mer, contenant les principes de la natation et la description des appareils et ceintures de sauvetage (treatise of swimming or the art of swimming in rivers and in the sea, containing the principles and descriptions of the apparatus and life-belts of rescue). [Nicolas Roger] 2fr. 144p Delarue. 1881(?)
- traité élémentaire pour l'enseignement de la natation à sec et dans l'eau (elementary treatise on the teaching of swimming on land and in the water). [N. Laisné] 32p Hachette. 1868
- treatise and poem on swimming. [Paulin Huggett Pearce] 32p Roberts. 1868
- treatise on the theory of swimming made so easy that it can be reduced to practice at once: also, Treatise on causes and effects in general, pertaining more especially to the farming community. [Ebenezer Martin] 47p Lovell. 1876
- warrior's swimming book and ladies' guide. [Paulin Huggett Pearce] 16p Roberts. 1869
- water manoeuvres. [David Turner Pamplin] 40p Baldwin. 1892
- why are there so few good swimmers: why are so many persons drowned? [David Turner Pamplin] 3d. 7p Berkshire, Eng. 1885
- why do not women swim? A voice from many waters. [Susan R. Powers] 2d. 14p Lad. Nat. Assoc. Diffus. Sanit. Knowledge. 1859

FROM 1900 TO JUNE, 1938, A B C of swimming. (ii) [Benjamin H. Schlobmberg] Pa. \$1 40p Davis-Olivier. 1922

- A B C of swimming, a royal road to the art. [Ex-club Captain, pseud] 83p Drane. 1902
By Robert Marriner Painter.
- art of swimming—for Amherst students. [Richard Francis Nelligan] 1st ed. 50p Carpenter & Morehouse. 1906; 2nd ed. 60c 50p Am. Gym. Co. 1906
- art of swimming, with notes on water polo. (il) [J. A. Jarvis] 1s. 108p Hutchinson. 1902
Title varies; sometimes called *The A B C of Swimming*. Includes sections by other authors: *Aids to Life Saving* by W. Henry; *Handicapping* by H. Thomsett.
- at home in the water; swimming, diving, life saving, water sports, natatoriums. [G. H. Corsan] 1st ed. 145p 1910; rev. and enl. ed. \$1 197p 1914; pocket ed. 25c Assoc. Press. 1916
- baths and bathing. 40c. Appleton.
- book of aquatics. [Camp Fire Girls, Inc., American Red Cross and Marjorie Camp] 63p Camp Fire Outfit. Co. 1925
- book of swimming and diving. [Sid G. Hedges] 2s. 6d. Hutchinson. 1927. 1931
- complete swimmer. (il, diagrs) [Frank Sachs] 1st ed. 1912; 2nd ed. 1923; 3rd ed. rev. 10s. 6d. 257p (varies slightly). Methuen. 1929
- diving and swimming book. [G. H. Corsan] \$3 162p (varies). Barnes; Lib. Press. 1924. 1925. 1926. 1929
- éducation physique et natation (physical education and swimming). [Joseph Étienne, comte de Lalyman de Varennes] 271p Grasset. 1927
- fundamentals of swimming and aquatic sports for coach, instructor, pupil and water fan. [E. J. Manley and H. C. Paterson] Service Press (Ill.) 1927
- helpful hints for swimmers. (il) [Frederick L. Gsoell] Pa. 25c 85p Hartford, Conn. The Author. 1933
- how to bathe. [Eli P. Miller] 25c Fowler & Wells
- how to become a good swimmer. [David Billington] 2s. 6d. Hutchinson. 1931
- how to swim. [H. R. Austin] 2s. 6d. Methuen. 1914. 1928
- how to swim. [Walter G. Douglas] Am. Sports Pub. 1903
- how to swim. (il) [Annette Kellermann] \$2 269p Doran. 1918
- how to swim. [F. A. Unwin] Pa. 6d. News Chron. 1935
- how to swim: a practical manual of swimming by a practical swimmer, and a guide to the novice as well as the expert, showing the easiest methods of learning to swim, dive and float, various kinds of strokes, with directions and illustrations for acquiring the crawl and trudge-crawl strokes. (Spalding's Athletic Library No. 37R). [James H. Sterrett] 25c Am. Sports Pub. 1903. 1914. 1921
Contains a chapter on Modern life-saving.
- how to swim and save life. [Charles M. Daniels, Archibald Sinclair and H. Johansson] Brit. Sports Pub. 1907. 1919. 1922
- how to swim correctly. [Dudley Hellmrich] Caxton
- how well do you swim? (il) [Sid G. Hedges] 3s. 6d. 127p Methuen. 1937
- learn to swim. [Sid G. Hedges] Methuen
- modern swimming. (il. with 40 drawings by A. A. Jansson). [Joseph Henry Patrick Brown] \$1 180p Small, Maynard. 1916
- modern swimming. [Sid G. Hedges] 35c McClelland; Pa. 1s. Cassell. 1935. 1936
- modern swimming and diving. [Sid G. Hedges] 2s. 6d. 134p Link House. 1929
- modern swimming and diving. [Aileen Riggan] \$2 219p Dodd, Mead. 1931
- modern swimming and diving. [Frank J. Sullivan] 25c Wilson-Western
- nageons! Traité de natation modern (treatise on modern swimming). [Guy de Villepion] 209p Grasset. 1929
- nager (Swim). [Armand Bonnet] Ed. Nilsson
- les nages modernes, l'art de bien nager (modern swimming, the art of swimming well). [Guy de Villepion] 64p Hachette. 1934
- la natation (swimming). [Armand Bonnet and G. Rodier] Bornemann. 1928
- la natation moderne enseignée à tous (modern swimming for all). [Georges Rigal and Louis Vénard] 78p Delagrave. 1921
- la natation pour tous (swimming for all). [Félix Douville] 132p Flammarion. 1931
- new magic of swimming. [Gilbert Collins] 184p 5s. Heinemann. 1934; \$1.75 Ryerson
- newest swimming. [Gilbert Collins] 144p 3s. 6d. Heinemann. 1937
- notable swimming pools. [Earl K. Collins (ed)] vi \$2 Foreign \$3 120p Hoffman, Harris. 1933
Continued as *Swimming Pool Data & Reference Annual*.
- outline of swimming, an encyclopedia of the sport. [William Bachrach and Clarence A. Bush] \$3 224p Bradwell. 1924
- rowing—natation (rowing—swimming). [Alexandre Lein and Georges Le Roy] 392p Lafitte. 1912
- das Schwimmen (swimming). [Hans Geisow and Ernst Kaross] 79p Dieck. 1922

Texts—Continued

FROM 1900 TO JUNE, 1938—Continued

- Schwimmen: I. Schwimmschule II. Stil und Training. (swimming: I. School of swimming II. Style and training). (Taschenbuch d. Leibesübgn. 21/22). [P. Kellner] Koehler & Volckmar
- das Schwimmen im Bild. Reihenaufn. d. 4 Hauptarten d. Schwimmens m. erlaut. Text. (swimming in pictures. Classified into the 4 main arts of swimming). (Stuttgarter Sportbücher). [Fritz Peter] Koehler & Volckmar. 1931
- Schwimmen und Wasserspringen. (swimming and diving). (Bücherei f. Leibesübungen u. körperl. Erziehg.). [W. Rzadkowski] Koehler & Volckmar. 1927
- Schwimmen, Wasserspringen und Tauchen. Anleitg. f. d. Unterricht geschlossener Abtlgn. u. Verbände (swimming, spring-board diving and diving. Introduction for the instruction of limited groups and clubs). [F. Schiele] Koehler & Volckmar. 1933
- Schwimmlehrbuch (instruction book for swimming). [Alfred Markert] Limpert; Koehler & Volckmar. 1931
- der Schwimmsport (sport of swimming). [Hans Luber] Grethlein.
- der Schwimmsport (sport of swimming). [Willy Meisl and Philipp Winter] 90p Ullstein. 1925
- Schwimmsport (swimming sport). (Lehrmeister-Bücherei 483/85). [W. Mang] 1922; 2nd ed. (Lehrmeister-Bücherei 827/31). Koehler & Volckmar. 1927
- science of swimming; instruction in fancy diving; modern methods of life saving. (Spalding's Athletic Library No. 106R). (il) [Frank J. Sullivan] Pa. 25c 100p (eds. vary slightly). Am. Sports Pub. 1922. 1926. 1927. 1928. 1934
- simidrottens ordförråd ock fraseologi (swimming glossaries and phrases). [Arvid Ulrich] 58p Almqvist & Wiksell. 1901
- les sports nautiques (aquatic sports). [Louis Doyen, P. Augé and Georges Moëbs] 87p Larousse. 1912
- sports pour tous. La natation (sports for all. Swimming). [R. Fabens] Colin. 1905
- stream line swimming and exercises. [Victor E. Lawson] \$2 Wohlfahrt. 1936
- summary of essentials in ten books on teaching swimming. [Raymond Talmadge De Witt] Thesis. Peabody Col. 1935
- swim better. [E. S. K. Baldry] 1s. Simpkin, Marshall
- swim book. [Sid G. Hedges] 3s. 6d. 118p Methuen. 1934
- swim like a fish. (il) [H. A. Lear] 109p Brown. 1938

- swimmer. (il) [Allan Dowling] 52p New York City. The Author. 1925
- swimmer. [Louise Gerard] 394p Mills & Boon. 1912
- swimming. [American Red Cross] Mimeo. A.R.C. 1934
- swimming. [Harold E. Annison] 2s. 6d. Pitman. 1936
- swimming. [Edwin Tenney Brewster] \$1.50 1910; \$1.15 1918; \$1.50 104p Houghton Mifflin. 1923
- swimming. (il) [William Francis] \$1 Mill. 1937; 2s. 6d. 88p Blackie
- swimming. [General Sportcraft Company] 80c Gen. Sportcraft Co.
- swimming. [F. J. Haskin (comp.)] 10c 31p Haskin. 1935
- swimming. (il) [Sid G. Hedges] 1s. 6d. Pearson. 1930; Pa. 3d. Evans. 1932
- swimming. (il) [Montague A. Holbein] 1s. 115p Pearson. 1903
- swimming. [F. Jent] 3s. 6d. Barron. 1936
- swimming. [Victor E. Lawson] \$1.50 82p Lippincott. 1937
- swimming. [Charles Norelius] \$1.50 102p Stone. 1934
- swimming. [Archibald Sinclair] 96p 1894; new and rev. ed. 148p Routledge; Dutton. 1909
- swimming. (The Badminton Library of Sports and Pastimes). (il) [Archibald Sinclair and W. Henry] 1st ed. 1893; 2nd ed. 1894; 6th impression. 1908; \$3.50 Longmans. 1916
- swimming analyzed. [Gertrude Goss] \$2 116p Barnes. 1935
- swimming and diving. (il) [American Red Cross] 60c 271p Blakiston. 1938
- swimming and diving. [Gerald Barnes] 140p Scribner's. 1922. 1927. 1933
- swimming and diving. [Sid G. Hedges] 1s. 6d. Pearson
- swimming and diving. [Kellogg Company] Free. 46p Kellogg Co. 1934 Compiled and arranged by the staff of the American Boy Magazine.
- swimming and diving made easy. [Ernst A. Vornbrock] 50c 34p Aquat. Sports Pub. Co. 1935
- swimming and its dangers. [Fred Zauner] 43p New York City. The Author. 1906
- swimming and life saving. [Metropolitan Life Insurance Company] Free. Metropolitan Life
- swimming and life-saving; a practical manual. (il) [Julius Madsen] 75c 57p Drake; Pitman; Prentice-Hall. 1914
- swimming and life saving manual. [Y.M.C.A., National Swimming and Life Saving Committee] 50c 48p Assoc. Press. 1929
- swimming and plain diving. [Ann Avery Smith] \$2 247p Scribner's. 1930
- swimming and skating. 15c Ogilvie. 1902

- swimming and surfing. [Harry Hay] 2d. 14p Jantzen (Australia). 1931
- swimming and swimming strokes. [Amateur Swimming Association of England] 1st ed. 1921; 2nd ed. 1931; 3rd ed. 2s. Simpkin, Marshall. 1935
- swimming and swimming strokes. A complete description and explanation of the various swimming methods; with a practical course in self-tuition. [Ross McGillvray] 75c 88p Regan. 1923
- swimming and water polo. [W. J. Howcroft] \$2 Scribner's. 1936; 5s. Allan
- swimming and water safety. [Boy Scouts of America] 75c. 1927; 75c. 1929; 60c 248p Boy Scouts. 1931
- swimming and watermanship. (il) [L. de B. Handley] \$1 150p 1918; \$1 Macmillan. 1922. 1931
- swimming and watermanship. (il) [Sid G. Hedges] 12s. 6d. 291p Hutchinson. 1933
- swimming book. [Frank J. Sullivan] Wilson
- swimming culture. (il) [T. W. Sheffield] 35c 110p Santa Monica, Calif., 1429 Ocean Front. The Author; Neuner. 1915
- swimming, diving and life saving. [Sid G. Hedges] 2s. 6d. Warne. 1928. 1931
- swimming, diving and life saving manual. [J. W. McVicar, ed] 35c 103p Canad. Y.M.C.A. Nat. Council Issued regularly. Methods of teaching beginners; description of movements in swimming strokes; dives well illustrated; swimming, diving and life saving tests; care of pool; competitive and trick swimming; organization of meets; records.
- swimming for all. [R. C. Venner] 3s. 6d. Bell. 1931
- swimming for everyone. (il) [H. G. Whitford] Cloth \$1.50 Pa. \$1 60p Freeport. 1935
- swimming for schoolboys. (il) [W. J. Howcroft] 6d. Nat. Assoc. Schoolmasters. 1936
- swimming for schoolboys. [W. R. Shimmin] 4d. Nat. Assoc. Schoolmasters. 1932
- swimming—how to succeed. [Sid G. Hedges] 3d. Methuen. 1932
- swimming in all its branches. (il) [T. W. Sheffield] \$2.50 203p Santa Monica, Calif., 1429 Ocean Front. The Author; Phillips. 1924
- swimming in Japan. [International Young Women and Children's Society] \$2 Maruzen. 1935
- swimming is fun. (diags) [Sanderson Smith] \$2 Morrow; McClelland. 1936
- swimming; its teaching, management, and program organization. (il) [Grace B. Daviess] \$2.25 173p Lea & Febiger. 1932
- swimming pool data & reference annual. [Earl K. Collins, ed] \$2 Foreign \$3 200p (varies slightly). Hoffman, Harris. Annual since 1934 Continuation of Notable Swimming Pools.
- swimming simplicity. [H. G. Stevens] Lancaster, Pa., Crystal Pool, Rocky Springs. The Author
- swimming simplified. (il) [Lyba and Nita Sheffield] 1st ed. 48p Univ. California Press. 1919; 2nd ed. 48p The Authors. 1921; 3rd ed. \$2 297p Barnes, Lib. Press. 1927
- swimming systematized; a compendious manual of swimming. [Clarence G. Dowd] Brooklyn, N.Y. The Author. 1922
- text-book of swimming. (il) [Jabez Wolfe] 1s. 6d. 80p Link House
- units of activity in swimming and life saving. [G. J. Altman and Gwendolyn Drew] Mimeo. 75c 44p Kent, Ohio. The Authors

RELATED TEXTS, BEFORE 1800, arts académiques, équitation, escrime, danse et art de nager (academic arts, riding, fencing, dancing and the art of swimming). *Section* (p425-45) from Encyclopaedia Méthodique. Panck. 1786

- compleat gentleman, explaining the desirability of every noble and every gentleman learning the skill and art of swimming. [Henry Peachman] London. 1622
- progress of man, containing three pages of general observations on swimming. [Trusler] London. 1791
- Royal Humane Society of England. [Royal Humane Society of England] Founded 1774. London Complete reports of this society can be found in the National Library at the British Museum. They contain brief treatises on swimming, diving, drowning, resuscitation and general records and practices of the time. Among the men who made contributions are Dr. John Dalrymple, Benjamin C. Brodie, Dr. Hawes, Dr. Cogan, and Henry Fielding.
- universal Lexicon. [Zedler] 64v Leipzig, Germany. 1743 Swimming, v27, p498-9.

RELATED TEXTS, FROM 1800 TO 1850, book of sports, athletic exercises and amusements. [William Martin] Swimming, p174-94. 1st ed. 1837(?). 2nd ed. Text of swimming the same. Darton & Clark. 1852

- boy's holiday book for all seasons containing complete instructions for angling, swimming. Davidson. 1845
- boys' own book: a complete encyclopaedia of all the diversions of boyhood and youth. [William Clark (ed.)] 1st ed.] 448p Swimming, p97-110. Vizetelly. 1828 21st ed. Longman. 1844. Swimming, p129-48; Bogue. 1849. Swimming, p187-205; Lockwood. 1870. Swimming, p258-67; Crosby Lockwood. 1880. 1886. Swimming, p283-97

BIBLIOGRAPHY OF SWIMMING

Texts—Continued

- RELATED TEXTS, FROM 1800 TO 1850—*Cont.*
- British manly exercises. [Donald Walker] *Swimming*, p52-74. 1834
Articles on Swimming appeared in subsequent eds.: 1835. 1838. 1839. 1844. 1847. 9th ed., v44 of *Bohn's Illustrated Library*. Hurst. 1856.
- Colburn's *Kalender* of amusements. [Boleyne Reeves, ed] Colburn. 1840
- field book; or, Sports and pastimes of the United Kingdom. [William Hamilton Maxwell, comp] 616p E. Wilson. 1833
- gymnastique élémentaire (elementary gymnastics). [P. H. Clias] *Swimming*, p140-44. Paris. 1819
- holiday sports and pastimes for boys. [H. D. Richardson] 1s. Orr. 1848
17 pages on swimming.
- information for the people. [W. and R. Chambers, eds] Edinburgh, Scotland. 1842. 1847. 1857. 1875
- sports and pastimes of England. [Joseph Strutt] London. The Author. 1801; London. William Hone. 1828
Last reprinted in 1876.
- Turnbuch (book of gymnastics). [J. C. F. Guts Muths] Frankfurt, Germany. 1817
Swimming, p242-71.

RELATED TEXTS, FROM 1850 TO 1900, athletic sports and manly exercises. [John Henry Walsh] 477p Routledge, Warne. 1864
Swimming, Sea bathing by J. G. Wood.

- athletic sports for boys, containing 194 wood-cuts on swimming. 174p Dick & Fitzgerald. 1855
Swimming, p62-77.
- book of health: observations on the disgrace that all are not able to swim. [Malcolm Morris, ed] London. 1884
Swimming, p453-4; 576; 708.
- book of manly games for boys. [Rawdon Crawley] Tegg. 1869
Swimming, p225-53.
- boys' book of sports and outdoor life in America. [Maurice Thompson] Century Co.; Warne. 1886
About 30p on *Swimming*.
- boy's handy book of sports, pastimes and amusements. Ward, Lock. 1863
Swimming, p49-60.
- boy's holiday book. [T. E. Fuller] Tegg. 1865
Swimming, p88-111.
- boy's shilling book of sports. [S. O. Beeton] Warne. 1866
Swimming, p118-28.
- calisthenics and light gymnastics for home and school. (ii) [Alfred M. A. Beale] 159p *Excelsior*. 1888
Swimming, p127-51. Music, p152-9.
- Cassell's Book of sports and pastimes. [Cassell] 760p Cassell, Petter & Galpin. 1881. 1882. 1886. 1893; \$1.25 Cassell. 1912
- Cassell's Popular educator. [G. F. Pardon (or Robert Wallace)] Cassell. 1853
- dictionary of games and amusements. [Henry Frith, ed] Ward, Lock. 1884
Swimming, p254-76.

- encyclopaedia of sport. [Earl of Suffolk and Berkshire, Hedley Peek and F. G. Afslalo, eds] 22 numbers. 2s. ea. Lawrence & Bullen. 1897-98
- every boy's book. [George Forrest] 1855. 2nd ed. *under title* Every Little Boy's Book. 1864; 3rd ed. *under title* Every Little Boy's Book, edited by Louis Hoffman. Routledge & Co. 1897
- le grand dictionnaire illustré (grand illustrated dictionary). [Chevreuil] Paris. 1884-5
Contains several chapters on Swimming.
- home gymnastics: with a short method of acquiring the art of swimming. [T. J. Hartelius] Isbister. 1881. *Swimming*, p80-94
Translated from the Swedish by special permission of the author, by C. Löfving, in 1893 this same translation is reported to have been published in Philadelphia.
- illustrated boy's own treasury of sports. [Ward and Lock, eds] 446p Ward, Lock. 1869
10p on *Swimming*.
- manual of British rural sports. [Stonehenge] 720p Routledge. 1856
Swimming, p512-21.
- manual of physical exercises; comprising gymnastics, rowing, skating, fencing, cricket, calisthenics, sailing, swimming, sparring, baseball: together with rules for training and sanitary suggestions. [William Wood] 1st ed. 316p 1867; 2nd. ed. Harper. 1870
- modern out-door amusements including swimming. 182p Warne; Scribner Walford. 1870
- strength, how to get strong and keep strong with chapters on rowing and swimming, fat, age, and the waist. [Richard A. Proctor] 178p Longmans. 1889
- what girls can do. [Phyllis Browne] Cassell. 1880
Advice on swimming, p281-4.
- wonders of bodily strength and skill in all ages and all countries. [Charles Russell (trans)] Cassell, Petter & Galpin; Scribner's. 1871
Includes articles on swimming, diving and an interesting combat in the water between Florida Indians and the Spaniards.

RELATED TEXTS, SINCE 1900, administration of health and physical education.

- [J. F. Williams and C. L. Brownell] \$3 598p Saunders. 1934
- administration of physical education. [Jay B. Nash] \$3 491p Barnes. 1931
- adventures in sport. [Louis J. Persky (ed)] 327p Ginn. 1937
- anthropologie hygiène individuelle, piscines, éducation physique (individual hygienic anthropology, swimming, physical education). [R. Anthony and G. Brouardel] 2nd ed Baillière, Tindall & Cox. 1930

- book of athletics (all athletic sports). [Paul Withington] Rev. \$2 Lothrop. 1922
- book of sport. [William Patten, ed] 411p Taylor. 1901
- Canadian book of games and other activities. [Gordon Brandreth] 315p Ryerson. 1931
- curriculum in sports (physical education). [Seward C. Staley] \$2.50 373p Saunders. 1935
- dictionary of athletic and aquatic activities. [Zona Ellen Smith] Thesis. Peabody Col. 1931
- education through physical education. [Agnes Wayman] \$4 378p Lea & Febiger. 1925
- encyclopaedia of sports and games. [Archibald Sinclair, C. Holland and W. Henry] Heinemann. 1899. 1911 Ed. by Earl of Suffolk and Berkshire.
- game way to sports. [H. Atwood Reymonds] \$2 210p Barnes. 1937 Swimming, p96-110.
- handbook of athletic games for players, instructors and spectators: track and field, athletics, swimming. [J. H. Bancroft and W. D. Pulvermacher] Macmillan. 1923
- health and physical education for public school administrators. [J. F. Williams and C. L. Brownell] Bur. Publications. 1930 Discusses swimming pool construction, methods of sanitation, suits and towels, safety, equipment and operation.
- life and sport in China. [Oliver G. Ready] 2nd ed. 238p Chapman & Hall. 1904
- organization and administration of playgrounds and recreation. (ii) [Jay B. Nash] \$4 547p Barnes. 1927; review Am. Phys. Educ. Rev. Dec. 1927 Chapter on Swimming Pools by Helen McKinstry contains discussion of pool operation, construction and control.
- sport and life in British Columbia. [Charles Pigott Piers] 159p Cranston. Pref. 1923
- sports in Japan. [Genzaburo Noguchi] 24p Inst. Pacif. Relat. 1929
- sports of the world. [F. G. Aflalo, ed] \$5 Cassell. 1904
- Thalassotherapy**
See also Spas
- behavior of blood sugar under influence of sea baths. [J. Catrein] Ztschr. f. klin. Med. 118:688-96. 1931
- blood changes following sea bathing. [A. Chiatellino and M. Gianotte] Boll. d. Soc. ital. di biol. sper. Jan. 1927
- determination of blood pressure and pulse volume during and after warm sea baths. [H. Schneider] Ztschr. f. d. ges. phys. Therap. 42:236-46. 1932
- effect of cold sea baths on action of heart; electro-cardiographic study. [L. Meyer-Schlitt] Ztschr. f. Kreislaufforsch. July 15, 1933
- effect of sea baths on basal metabolism. [Z. L. Epshteyn and R. B. Pechenaya] Sovet. vrach. gaz. Oct. 15 and 31, 1932
- effect of sea baths on gaseous metabolism in patients. [G. Wachsmuth] Balneologe. March 1934
- effect of sea baths on limits of tolerance, glycemia and refractometric value of blood serum. [P. Rowinski] Arch. di sc. biol. July 1928
- effect of sea baths on respiratory metabolism. [R. Margaria] Arch. di fisiol. April-June 1928
- effect of warm sea and Moor baths on respiratory metabolism. [H. Bartelmann] Ztschr. f. d. ges. phys. Therap. 43:291-300. 1932
- effects of sea baths on basal metabolism in man. [V. A. Yakovenko] Vrach. dielo. Feb. 28 and March 31, 1931
- effects of sea baths on glycemia and on refractometric value of blood serum. [V. G. Barone] Fisiol. e med. Aug. 20, 1931
- effects of sea baths on spontaneous and provoked diuresis. [V. G. Barone] Fisiol. e med. Aug. 20, 1931
- Hastings popular lecture; sea bathing in health and disease. [H. Gauvain] Brit. M. J. (Supp) Feb. 25, 1933
- imperceptible insensible perspiration after sea bath. [M. Levi and E. Sapegno] Arch. di sc. biol. Dec. 1932
- indications and contraindications of sea baths. [U. Paranhos] Gaz. clin. June 1932
- influence of sea bathing on muscles. [G. Ceruti] Ann. di med. nav. May-June 1927
- insensible perspiration after sea bathing. [M. Levi and E. Sapegno] Boll. d. Soc. ital. di biol. sper. March 1930
- minute volume of heart after cold sea baths. [W. Föllmer] Ztschr. f. klin. Med. 124:146-52. 1933
- physical and physicochemical effects of sea-baths on blood and urine. [R. Margaria and A. Chiatellino] Boll. d. Soc. ital. di biol. sper. Jan. 1928
- physiologic and therapeutic action of sea baths. [G. Barraud] Progrès méd. Aug. 19, 1933
- reports on sea bathing and sea climates; Germany. [C. Häberlin and F. R. Wyk] Arch. M. Hydrol. Jan. 1933
- reports on sea bathing and sea climates; Rumania. [H. Slobozianu] Arch. M. Hydrol. Jan. 1933
- respiratory gas metabolism and blood calcium following sea baths. [J. Gutzk] Balneologe. Sept. 1936
- sea bathing. [R. Cove-Smith] J. State Med. June 1937
- sea baths for children in France. [G. Baudouin] Arch. M. Hydrol. Aug. 1930

BIBLIOGRAPHY OF SWIMMING

Thalassotherapy—Continued

- sea baths in Bulgaria. [I. Maleeff] Deutsche med. Wchnschr. April 16, 1937
- sea water bathing; some medical aspects in complete scheme. [G. R. Bruce] J. State Med. June 1934
- temperature of expired air and ventilation of lungs during sea baths. [R. Margaria] Arch. ital. de biol. 79: 128-38. 1928
- therapeutic use of sea water. [M. Schlegel] Fortschr. d. Med. Sept. 30, 1932
- toxicity of sea water. [A. Rabbeno] Boll. d. Soc. ital. di biol. sper. May 1928
- variations in rapidity of sedimentation of red corpuscles from sea baths and sea air. [G. Palomba] Arch. de sc. biol. Jan. 1931
- vasoconstrictive power of blood serum after sea baths. [P. Rowinski] Boll. d. Soc. ital. di biol. sper. Aug. 1931
- warm sea water baths in therapy of surgical tuberculosis. [S. Bravetti] Riv. di idroclimat., talassol. e terap. fis. April 1936

Thaler, W. H. Evolution of physical training as a factor in health and education with special reference to swimming. Mind & Body. Sept.-Oct. 1920

Thannhauser, S. J. Zur Frage des Bade-todes. München. med. Wchnschr. Nov. 18, 1932

Thayer, C. P. Programs for aquatic exhibitions. J. Health & Phys. Educ. Sept. 1928

Theil. First aid for drowned persons. Mind & Body. Feb. 1932

Therapeutic Pools. See Pools and Bathing Places, therapeutic

Therapeutics. See Corrective Swimming; Values, therapeutic

Theriault, E. J. Orthotolidine reagent for free chlorine in water. Pub. Health Rep. March 11, 1927

—See Butterfield, C. T.; U.S. Public Health Service, jt. auth.

Theroux, Frank R.; Eldridge, Edward F.; and Mallmann, W. L. Laboratory manual for chemical and bacterial analysis of water and sewage. 2nd ed. rev. and enl. \$2.50 228p McGraw-Hill. 1936

Theses

Unless otherwise indicated all theses listed here were submitted as part of the requirement for the M.A. degree.

- American sports, 1785-1835. [Jennie Holliman] Ph. D. Columbia Univ.; 222p Seeman. 1931
- analysis of the crawl stroke. [T. K. Cureton, jr.] Springfield Col. 1930
- analysis of the leisure-time activities of the graduates of a state teachers' college. [Carrie A. Hupp] Colorado State Col. Educ. 1934

- analysis of the respiratory habits of trained swimmers. The crawl and breast stroke. [Thomas M. Aycock] Univ. Iowa. 1931
- aquatics; a manual for swimming instructors. [F. L. Jouannet] Springfield Col. 1917
- artificial swimming pools: construction materials, lay-out and detailed designs, operation and use. [Raymond Johns Faust] Pennsylvania State Col. 1935
- bacteriological analysis of swimming pool waters. [M. G. Griffiths] Springfield Col. 1932
- bacteriological study of bathing beach waters in New Haven harbor. [David Moxon] Yale Univ.
- bacteriological study of swimming pool sanitation, a thesis in hygiene. [Arnold Kingsley Muzzey] Univ. Pennsylvania. 1933
- bacteriology of swimming pools. [Mae B. Simas] Univ. Nevada. 1932
- blood pressure in relation to swimming. [Frederick Schultz] Springfield Col. 1914
- case study of problem swimmers. [H. M. Mahony] 40p Univ. Wisconsin. 1929
- case study to determine some of the effects of "swimming techniques" in the development of body mechanics. [Ruth E. Hook] Ohio State Univ. 1937
- community recreation program for Preston County. [Max Poscover] West Virginia Univ. 1937
- comparative study of articles on swimming appearing in standard magazines for the years 1918-22. (tables, bib) [Arthur Edward Owen] 73p Univ. Southern California. 1934
- comparative study of the breast and crawl stroke in elementary swimming. [William Jackson Treece] Univ. Illinois. 1932
- comparative study of the individual, mass and group methods of teaching elementary swimming. [Fred William Kasch] Univ. Illinois. 1937
- comparison of the swimming and games program as given to a group of high school sophomores for the improvement of posture. [D. V. Bahe] 17p Univ. Wisconsin. 1928
- construction of an achievement scale for the crawl and the side stroke in swimming for women. [Dorothy G. MacLean] 17p Univ. Washington. 1938
- contributions of college intramural activities to post-college recreational activities of Williams College graduates of the classes of 1920, 1925, and 1930. [Edward L. Bike] New York Univ. 1931
- coordination tests of swimming. [Charles T. Wilson] Springfield Col. 1933; abstract Res. Quart. Dec. 1934

- design and operation of swimming pools. [Frederick Josiah Spry] Cornell Univ. 1929
- design, construction and maintenance of outdoor swimming pools. [Robert S. Neilson] State Col. Washington. 1937
- design of a natatorium for the Ohio State University. [Octave Ammon] Ohio State Univ. 1925
- design of a natatorium for the Ohio State University. [R. A. Bohling] Ohio State Univ. 1923
- design of an outdoor swimming pool for the Ohio State University. [Edward Wolfson] Ohio State Univ. 1937
- dictionary of athletic and aquatic activities. [Zona Ellen Smith] Peabody Col. 1931
- disinfection of a swimming pool. [Harold L. Parker] Ohio State Univ. 1929
- effect of music on heart rate. [A. T. Moren] Springfield Col. 1921
- effect of music upon motor coordination. [A. F. Fink] Springfield Col. 1921
- effect of swimming upon the heart rate, weight, and body temperature. [Guy Wellington] Springfield Col. 1914
- effect of swimming upon vital capacity and physical efficiency of university women students. [Alice Bonar] Univ. Illinois. 1932
- effects of training in swimming upon the morphological composition of the blood. [C. C. Hawkins] Springfield Col. 1932; *abstract* Res. Quart. (Supp.). May 1935
- energy cost of track running and swimming. [M. M. Greene] Springfield Col. 1930
- enquiry into the status of swimming pools in the high schools of California. (bib) [Russell S. Johnson] 90p Univ. Southern California. 1935
- evaluation of boy's physical activities based on research and accepted objectives. [Curran Adams Farmer] Peabody Col. 1934
- evaluation of types of formal swimming competition for girls of high school age. [Natalie Reichart] New York Univ. 1929
- evolution of speed swimming strokes. [Virginia Arbuckle] 82p West Virginia Univ. 1936
- experimental study of beginning strokes in swimming for girls of college age. [C. P. McClanahan] 66p Univ. Wisconsin. 1929
- experimental study of the respiration of side stroke and back stroke. [Loren H. Graaff] Univ. Iowa. 1931
- experimental testing of ability and progress in swimming. [Walter J. Osinski] 91p Massachusetts State Col. 1933
- fancy diving. [H. E. Brown] Springfield Col. 1920
- fear as an inhibitory factor in a motor function. [Dorothy Elizabeth Bresnahan] Loyola Univ. 1929
- health as an educational aim. [Lily Wingo Brooks] Univ. Georgia. 1926
- heart rate in relation to swimming. [Henry Wielt, jr.] Springfield Col. 1914
- history and development of inter-collegiate swimming. [Alfred Livingstone] Springfield Col. 1922
- history and development of swimming. [Judy Lester] Peabody Col. 1932
- history and development of water play. [Zilpha Willson] Peabody Col.
- history and development of water polo. (tables, bib) [James Smith] 156p Univ. Southern California. 1935
- history and significance of tests in physical education. [H. A. Smith] Univ. Akron. 1928
Swimming, Chapter 3.
- history of certain sports as a part of general school education. [Julia Pennington] Ohio State Univ. 1930
Section on Swimming.
- hydrogymnastics and swimming for the physically handicapped. [Frances Eleanor Todd] 28p Univ. California, Berkeley. 1933
The Physical Education Department lists this as: A study of swimming as a means of individual program adaptations in physical education.
- inadequacies of the present program of physical education activities for girls to provide recreational interests for leisure time. [Emma Lucy Wilder] Harvard Univ. 1934
- influence of swimming on body weight and temperature. [Earle A. Pritchard] Springfield Col. 1914
- investigation of the distribution of effort and time in champion competitive swimming. [Allan A. Hurley] Univ. Iowa. 1938
- investigation to determine the frequency with which 400 words commonly used in oral instruction in swimming are not comprehended by 150 eleventh-grade boys at Central High School, Detroit. [Donald A. Kelley] Univ. Michigan. 1931
- kinaesthesia in relation to motor skills. [R. A. Esjernson] Springfield Col. 1928
- layout and construction of 46 high school and college swimming pools on the Pacific Coast. [Jack E. Hewitt] Univ. Oregon. 1931
- life saving. [George Edward Goss] Springfield Col. 1914; \$1 1916; \$1.75 152p Assoc. Press. 1918
- manual of water activities for play and recreation. [Ethel Gentry Blackman] Peabody Col. 1931
- mechanics and kinesiology of the frog kick as used in the breast stroke. [H. R. Allen] Springfield Col. 1933.
Abstract Beach & Pool. Oct. 1933

BIBLIOGRAPHY OF SWIMMING

Theses—Continued

- mechanics of fancy diving. [F. R. Lanoue] Springfield Col. 1936
- mental health through physical education activities. [Sarah Mozelle Tumlin] Peabody Col. 1930
- method for rating efficiency in swimming on the basis of cardiac response. [David A. Armbruster] Univ. Iowa. 1931
- minimum cost equipment for the purification of swimming pool waters. [D. D. McKinney] Ohio State Univ. 1931
- national survey of intermediate swimming in the Y.M.C.A. [H. G. Morris] Springfield Col. 1937
- national survey of the organization and administration of extra-curricular activities in senior and junior high schools. [Samuel Wasden Wood] Univ. Georgia. 1932
- national survey of the Y.M.C.A. life saving program. [D. S. Stone] Springfield Col. 1937
- objective tests of swimming. [T. K. Cureton, jr.] Springfield Col. 1930. *Abstract Beach & Pool*. July 1931
- organization of municipal swimming pools. [A. E. Risedorph] Springfield Col. 1923
- organizing pupils for competition in physical education activities. [Edmund Meredith Waller] Peabody Col. 1933
- origin of swimming fears: a psychogenetic study. [Lewis L. Berlin] New York Univ. 1933
- practical problems in swimming pool construction and supervision. [Fred H. Clapp] Univ. Southern California. 1928
- practical sanitation of swimming pools. With especial reference to (a) the swimmer; (b) the water; (c) the tank. [Bengt Normal Bengtson] Univ. Illinois. 1926
- progressive steps in teaching of swimming. [F. J. Beier] Springfield Col. 1918
- progressive swimming. [Floyd R. Eastwood] Springfield Col. 1922
- quantitative and qualitative test for albumin in swimmers. [H. J. Lyon] Springfield Col. 1919
- quantitative test for albumin in swimmers. [C. F. Simon] Springfield Col. 1923
- rating of the swimming ability of women at the University of California. [Ann Avery Smith] 129p Univ. California, Berkeley. 1932
- relation between tests of motor ability and rate of learning to swim. [Dorothy Deach] Univ. Illinois. 1934
- relation of buoyancy to the learning rate in beginning swimming. [Edith A. Aldrich] Univ. Iowa. 1935
- relation of hydrogen-ion concentration to the properties of alum floc. [Gail Phillips Edwards] Ph.D. Univ. Illinois. 1923
- relative value of three different strokes in teaching high-school girls to swim. [Anne G. Rolence] Northwestern Univ. 1933
- resistance of water as a limiting factor of speed in swimming. [Lee D. Jaeger] Univ. Iowa. 1937
- sanitary survey of swimming pools in Berkeley and Oakland. [Frank Louis Kleeberger] Univ. California, Berkeley. 1916
The Physical Education Department lists this as: *Hygiene at the men's swimming pool*.
- some heart rate studies in swimming. [H. E. Brown] Springfield Col. 1927
- specific gravity of the human body—an approach to analysis of body weight into muscle, bone, and fat quotas. [Mabel Davies] Wellesley Col. 1930
- standards for the swimming pool in educational institutions. [F. W. Luehring] Ph.D. Teachers Col. 1938
- status of physical education for women in certain white secondary schools of the state of Georgia. [Mildred Cartledge] Univ. Georgia. 1934
- students' use in leisure time of activities learned in physical education in state teachers' colleges. [Ethel J. Saxman] Ph.D. Teachers Col. 1926
- studies on *Bacterium coli* and closely related forms. [Max Levine] Ph.D. 342p Univ. Iowa. 1922
- studies on swimming pool sterilization. [G. D. Rose and L. Rowan] Undergraduate. Purdue Univ. 1938
- study of athletic condition in relation to circulation and weight. [J. L. Rothacher] Springfield Col. 1928
- study of buoyance in relation to swimming. [Eva C. Lyman] Univ. Iowa. 1930
- study of children's swimming as activated by specific reading. [Marjorie Jenkins] Mills Col. 1936
- study of factors conditioning the acquisition of skill in swimming. [B. L. Thompson] 30p Univ. Wisconsin. 1926
- study of secondary school programs of physical education as related to the leisure-time activities of 875 college women. [Mary Bottje] Univ. Michigan. 1934
- study of some of the possible factors influencing success in learning to dive. [LaVerne Means Bennett] 113p Univ. California, Berkeley. 1936
- study of speed and heart size as related to endurance in swimming. [William James Moyle] Univ. Iowa. 1936

- study of swimming efficiency. [Dallas P. Raney] Univ. Iowa. 1932
- study of swimming in Utah: drowning, legislation, swimming pools and programs, and suggested plays for an outdoor municipal pool. [C. F. Belliston] Univ. Oregon. 1936
- study of swimming techniques as a means of correcting certain postural abnormalities. [H. M. Fabricius] Univ. Oregon. 1936
- study of the correlations between the rate of learning to swim in deep water and various measurable factors. (tables) [Marjorie R. Nowlin] 61p Wayne Univ. 1936
- study of the effect of rhythmic training in swimming on the performance of the side and crawl strokes. [Margaret May Duncan] 44p Univ. Washington. 1935
- study of the effect of swimming on basal metabolism. [Helen Aline Davis] Peabody Col. 1935
- study of the effects of inter-collegiate swimming on the sinuses. [Alfred Livingstone] New York Univ. 1931; also Res. Quart. March 1932
- study of the leisure-time activities of the women students of a teachers college with specific reference to activities offered by W.A.A. [Malinda Hamblen] New York Univ. 1930
- study of the optimum time for holding a swimmer on his mark. [Harold Ducke Oaks] Univ. Iowa. 1936
- study of the possibility of the use of underwater gymnastics in the prevention and correction of physical deviations. (il, tables, bib) [E. A. Bright] 119p Univ. Southern California. 1934
- study of the possible carry-over from physical activities in school to adult life. [Frederick Lyman Bosworth] Boston Univ. 1934
- study of the posture training value of various activities. [S. J. Burt] Wellesley Col. 1931
- study of the recreational activities of employed women. [B. S. Goetter] Univ. Pittsburgh. 1927
- study of the relationship between measures of swimming achievement, fear, motor ability, and rhythm among college women. [Dorothy Dow Rogers] Univ. Iowa. 1934
- study of the respiratory habits of trained women swimmers. The crawl stroke. [Rachel Jane Benton] Univ. Iowa. 1932
- study of the sanitary condition of the swimming pool at the Lincoln High School. [Grewe] 18p Univ. Nebraska. 1918
- study of the swimming program for women physical education majors in the professional training institutions throughout the country. [Blythe Helen Schee] 152p New York Univ. 1932
- subjective and objective grading of the elementary back stroke in swimming. [Katherine S. Trumbull] Colorado State Col. Educ. 1933
- suggested course of study materials in maintaining physical, mental, and emotional health for eighth grade girls. [Anna Elizabeth Crabb] Univ. Georgia. 1937
- summary of essentials in ten books on teaching swimming. [Raymond Talmadge De Witt] Peabody Col. 1935
- survey of athletics, health, and physical education programs of one hundred high schools in the U.S. [Hiram Arthur Jones] Northwestern Univ. 1929
- survey of available material on sports for women. [Gertrude Mae Kunkler] Peabody Col. 1935
- survey of swimming in Texas. [Virginia R. Clampitt] Univ. Texas. 1935
- survey of the program of swimming activities for women in colleges and universities in the United States. [Helen Magrane] 92p Univ. Washington. 1932
- survey of the status of recreational aquatics in the Y.M.C.A. [K. E. L'Hommedieu] Springfield Col. 1937
- swimming as a factor in physical education and health education. [L. D. Ricker] Univ. Akron. 1930
- swimming classification tests. [Ernestine A. Troemel] Univ. Wisconsin. 1928
- swimming for college women. [Shirley Winsberg] Wellesley Col. 1938
- swimming pool construction, equipment and maintenance. [O. H. Wulff] Springfield Col. 1937
- technique of swimming and diving. [Allen G. Ireland] Springfield Col. 1914
- tests, scales, and performance standards for swimming. [T. K. Cureton, jr.] Ph.D. Teachers Col. 1938
- transfer value of athletics. [John Mo] Springfield Col. 1926
- value of swimming in the correction of scoliosis. [Charlotte W. Anderson] 17p Univ. Wisconsin. 1928
- water pageants and their use in educational programs. [Allene D. Good] Univ. Texas. 1937
- whole versus the part method in the teaching of swimming. [Dorothy Lilian Stahmer] Univ. Illinois. 1932
- woman's gymnasium for Kansas State College. [K. H. Hinchcliff] Kansas State Col. 1934

Thévenot, Melchisedech. *L'art de nager, démontré par figures, avec des avis pour se baigner utilement.* 1st ed. 47p Moette. 1696; 2nd ed. Moette; 3rd ed. 47p Desvent. de la Doue. 1769; 4th ed. 363p Lamy. 1782; *reprints of 4th ed.* 1786. 1825
Title varies slightly in all editions.
English editions: 1st ed. 84p London. 1699. Printed for Dan Brown at the Swan without Temple Bar; J. Leigh and D. Midwinter at the Rose and Crown, and Robert Knaplock at the Angel, in St. Pauls churchyard; 2nd ed. 82p Lever. 1764; 3rd ed. 82p London. 1789.
Copies are in the New York Public Library and Huntington Library, San Marino, Calif.

—See Roger, Nicolas, jt. auth.

Thienes, C. H. Fungus diseases of the skin. *J. Am. Med. Assoc.* Aug. 1931

Thomas, A. E. Scars about swimming baths. *Swim. Times.* May 1937

Thomas, Charles F. Care and renewal of filter beds. *Swim. Pool Data & Ref. Ann.* 5:73. 1937
Concerning municipality owned swimming pools. *Beach & Pool.* Nov. 1935

Thomas, Grace A. Swimming values. *Mind & Body.* July 1924; *also Am. Phys. Educ. Rev.* Dec. 1924

—See Drew, Lillian C. jt. auth.

Thomas, Oren. See Allbaugh, Edgar B. jt. auth.

Thomas, Ralph Harrington. Few words on swimming, with practical hints to beginners. 2d. 16p Holyoke & Co. 1861
Published under pseud. (Ralph Harrington).

Swimming: a bibliographical list. John R. Smith. 1868; 488p Sampson Low, Marston. 1904
Includes lists of books published in English, German, French and other European languages; critical remarks on the theory and practice of swimming, diving and resuscitation; critical remarks on biography, history and bibliography; more than one hundred illustrations.

Thomas, S. J. Practical use of copper sulphate in swimming pools. *J. Am. Med. Assoc.* 65:1104. 1915
Use of copper sulphate in the purification of swimming pools. *J. Indust. & Engin. Chem.* 7:496-499. 1915

Thomas, T. Continuous filtration of bath water of swimming baths. *Domest. Engin.* Jan. 1924

Thompson, B. L. Study of factors conditioning the acquisition of skill in swimming. *Thesis.* 30p Univ. Wisconsin. 1926

Thompson, Francis Benjamin. Dipple's Handbooks containing complete treatises on swimming, songbirds, poultry, baths, angling, pigeons, rabbits, bathing. 1st ed. 1850. Swimming, p 1-14. 2nd ed. Dipple. 1851(?)

Thompson, J. P. Short cut to swimming. *Outing.* July 1902

Thompson, Maurice. Boys' book of sports and outdoor life in America. Century Co.; Warne. 1886
About 30 pages on Swimming.

Thompson, R. E. Irregularities in test for *B. coli* in water. *J. Bact.* March 1927

Thompson, T. N. Unusual method of swimming pool water heating. *Swim. Pool Data & Ref. Ann.* 3:26-27. 1935

Thomsen, W. Ueber eine Abänderung der künstlichen Atmung nach Howard. *München. med. Wochenschr.* June 22, 1934

Thomsett, H. See Jarvis, J. A. jt. auth.

Thomson, A. L. Hygiene of public swimming baths. *Canad. Engin. Dec.* 1928

Thomson, Elizabeth W. Cruise of the good ship "Polio": brief discussion of work done in the warm-water pools at Junior League Home for Crippled Children, Nashville, Tennessee. *Physiotherapy Rev.* May-June 1938

Thorp, Henry Preston. Swimming for the million made easy: how to learn in twenty minutes by young or old: swimming reduced to simplicity by Vigo(re). 1st ed 12p Civil Service Pub. Co. 1877(?)

Thorpe, N. Breast stroke. *Nat. Ath. April-May 1924*
Life saving. *Swim. Jan.* 1925

Thresh, J. C. and Beale, J. F. Examination of waters and water supplies. 3rd ed. \$7.50 Blakiston. 1925

Throat Infections. See Diseases, throat

Thümen, K. von. *Instruktion für den Militärischen Schwimm-Unterricht nach der Pfuel'schen Methode, nebst Nachweisung der Vortheile dieser Methode vor der d'Argh'schen (oder d'Urgh'schen).* 40p Berlin. 1861

Thurlow, S. See Bazett, H. C. jt. auth.

Tibbitts, A. R. Let's go swimming! *House & Garden.* May 1937

Tile. See Pools, Artificial, Care of, cleaning; Pools and Bathing Places, Construction of, tile for

Tile Manufacturers' Association. Recommendations for proper care and maintenance of tile lined swimming pools. *Mimeo.* Free. *Tile Mfrs. Assoc.* 1934
Swimming pools. (il) *Tile Mfrs. Assoc.* 1914
Several later eds.

Tillmans, J. Water purification and sewage disposal. \$2 *Van Nostrand.* 1913

Tintagel (pseud). *Swimming. Squire.* July 1881

Tisdale, E. S. Filthy pools must go. (il) *Am. City.* April 1929

Tisdale, Hope. Corrective value of swimming. *J. Health & Phys. Educ.* Sept. 1936
Some evidence of the value of a therapeutic program. *Res. Quart.* Oct. 1934

Swimming: a radio interview. Intersch. Swim. Coaches' Assoc. Am., Bull. March 1937; also J. Health & Phys. Educ. May 1937

Tizzano, A. Sport e tabacco. Morgagni. May 14, 1933

Su alcune questioni di alimentazione degli sportivi. Studium. Aug. 1, 1933

Tobacco, Use of, During Training. See Coaching, training

Todd, Frances Eleanor. Hydrogymnastics and swimming for the physically handicapped. Thesis. 28p Univ. California, Berkeley. 1933

The Physical Education Department lists this as: A study of swimming as a means of individual program adaptations in physical education.

Todd, R. E. Four new city baths and gymnasiums. (il) Surv. Feb. 5, 1910

Municipal baths of Manhattan. (il) Charities. Oct. 19, 1907

Tomalin, C. D. Standard of diving at the European championships. Swim. Times. Oct. 1934

—See Herbert, P. W. A. jt. auth.

Tomes. Bathing dangers. (il) Lit. Dig. Aug. 9, 1930

Tonney, F. O.; Greer, F. E.; and Danforth, D. V. M. Minimal 'chlorine death points' of bacteria. Swim. Pool World. March 1932

Torkington, H. Swimming drill. 18p W. Mitchell. 1876

—See Brooke, C. W. A. jt. auth.

Torney, John A. jr. Swimming and life saving program for summer camps. J. Health & Phys. Educ. June 1937

What Seattle is doing for swimming; and how it is doing it. J. Health & Phys. Educ. Nov. 1930

Tours. See Diving, tours; Polo, tour of Austrian team

Towels. See Suits and Towels

Towers for Diving. See Diving, towers and platforms

Town Hall and Baths Committee of the City of Melbourne. Bath report of the city of Melbourne; extracts from 1935 report. Beach & Pool. Nov. 1936

Towne, W. W. Artificial outdoor swimming pools. Municipal Rev. Canada. Oct. 1934

Traffic Control at Pools. See Pools and Bathing Places, Operation of, traffic control

Training. See Coaching, training

Transfer Value of Swimming. See Values, transfer

Transmission of Diseases in Pools. See Diseases, relation to pools; Public Health

Treasor, Thomas Stanley. Heroes of the Goodwin Sands. 255p Religious Tract Soc. 1892

Treatment. See Corrective Swimming; Spas; Thalassotherapy

Treece, William Jackson. Comparative study of the breast and crawl stroke in elementary swimming. Thesis. Univ. Illinois. 1932

Troemel, Ernestine A. Swimming classification tests. Thesis. Univ. Wisconsin. 1928

Swimming—on an efficient grading basis. Am. Phys. Educ. Rev. June 1928

Trudgen Stroke. See Strokes; Teaching

Trüb, C. L. P. Die Hygiene der Hallenschwimmbäder, ihre Entwicklung und zweckmässige Gestaltung. Veröffentl. a. d. Geb. d. Med.-Verwalt. 29:522-611. 1929

Truffert, P. L'otite des piscines. Bull. méd., Paris. Nov. 30, 1929

Trumbull, Katherine S. Subjective and objective grading of the elementary back stroke in swimming. Thesis. Colorado State Col. Educ. 1933

Trumbull, W. Queen of the waters. St. Nichol. Oct. 1926

Trusler. Progress of man. London. 1791 Contains 3 pages of general observations on swimming.

Tsuruta, Y. How to swim the breast stroke. Beach & Pool. May 1938

Tuberculosis. See Diseases, tuberculosis; Thalassotherapy

Tudoranu, G. Baths of Moldavia and similar Rumanian resorts. România med. June 15, 1937

Tuley High School Test. See Tests, Tuley High School

Tully, E. J. Hygiene of swimming pool. Am. J. Pub. Health. March 1912

Tumarkin, A. Bathing pool and deafness. Brit. M. J. Aug. 25, 1934

Tumlin, Sarah Mozelle. Mental health through physical education activities. Thesis. Peabody Col. 1930

Tunis, John Roberts. Changing trends in sport. Harper's Mag. Dec. 1934

Dictators discover sport. Foreign Aff. July 1936

Turbi. L'art de la natation. 1st ed. 32p 1830; Fayet. 2nd ed. Levy. 1842 Facsimile of manuscript.

Turner, A. A. Purification of bath water. J. Roy. San. Inst. Feb. 1935

Turner, F. C. Ringworm of the feet. J. Am. Assoc. Hyg. & Baths. Sept. 1929

Turner, Ted. Medica astonishes the Australians. Beach & Pool. July 1937

Turns, Racing. See Starts and Turns

Tuttle, W. W. See Aycock, Thomas M.; Scott, Gladys, jt. auth.

U

Ugloff, V. A.; Miller, A. A.; and Kardinovsky, T. A. Purification of water by filtration through sand coated with silver. Voy.-med. j. (no.1) 2:5-11. 1931

Uhlenhuth, P. Zur Epidemiologie der Weilschen Krankheit mit besonderer Berücksichtigung der Wasserinfektion. München. med. Wchnschr. Nov. 28-Dec. 5, 1930

Ulrich, Arvid. On saving life from drowning. 14p Dagbladet. 1898

Simidrottens ordförråd ock fraseologi. 58p Almqvist & Wiksells. 1901

Ulsamer, O. See Werchavdt, W. jt. auth.

Ultra Violet Rays in Water Purification. See Water Purification, ultra violet ray process

Underwater Gymnastics. See Corrective Swimming

Underwater Lighting. See Pools and Bathing Places, Lighting of, underwater

Underwood, A. J. V. See Pickard, Joseph Allen, jt. auth.

U.S. Board on Life-Saving Appliances. Rules and regulations of the Board on Life-saving Appliances. 4p U.S. Board on Life-saving Appli. 1912

U.S. Bureau of Mines, Committee on Oil Pollution. Oil pollution at bathing beaches. Pub. Health. Rep. Dec. 19, 1924; *reprint* Gov. Printing Off. 1924
Prepared by a committee consisting of F. W. Lane, A. D. Bauer, H. F. Fisher and P. N. Harding.

U.S. Coast Guard
See also Life Saving, U.S. Coast Guard; Resuscitation, U.S. Coast Guard methods
Annual reports. Gov. Printing Off.
Directions for restoring the apparently drowned, for saving drowning persons by swimming to their relief and for the treatment of frost bites, as practiced in the U.S. Life-saving Service. 5c 12p Gov. Printing Off. 1899, 1901, 1909, 1922
Instructions for United States Coast Guard stations. 269p Gov. Printing Off. 1921
United States Coast Guard: establishment, duties, activities and statistical record. Pa. Free. 15p Gov. Printing Off.
—summary of operations for fiscal year 1937. [U.S. Treasury Department] Pa. Free. 10p Gov. Printing Off. 1938

U.S. Commission on Life-Saving Inventions. Life-saving inventions. 48p Gov. Printing Off. 1868

U.S. Congress, House Committee on Merchant Marine and Fisheries. Rails and life-preservers. 59p Gov. Printing Off. 1908

U.S. Department of Commerce. Promotion of safety to life at sea. 8p Gov. Printing Off. 1913

U.S. Life Saving Service. Instructions to mariners in case of shipwreck, with information concerning the life-saving stations upon the coasts of the United States. Rev. 56p Gov. Printing Off. 1908

U.S. Naval Academy. Manual of athletic requirements. U.S. Naval Acad. 1927

U.S. Navy Department. List of stations of the Coast signal service on the Atlantic and Gulf coasts of the United States. 6p Gov. Printing Off. 1898

U.S. Public Health Service. Experimental studies of natural purification in polluted waters. (il, tables, diags) Gov. Printing Off. 1929
Experimental studies of water purification. (il, plates, tables, diags) Gov. Printing Off. 1926-33
How to give artificial respiration by the prone pressure method. 4p Gov. Printing Off. 1928
Stream pollution. 51p Gov. Printing Off. 1926
I. A. review of the work of the United States Public Health Service in investigations of stream pollution, by W. H. Frost. II. The rate of deoxygenation of polluted waters, by E. J. Theriault. III. The rate of atmospheric reaeration of sewage-polluted streams, by Harold W. Streeter. IV. Quantitative studies of bacterial pollution and natural purification in the Ohio and Illinois rivers, by J. K. Hoskins.
Ultra-violet rays in water purification. Pa. 5c 6p Gov. Printing Off. 1920

—See Yant, W. P.

U.S. Treasury Department. Coast Guard: summary of operations for fiscal year 1937; *extract from* annual report of the Secretary of the Treasury. Pa. Free. 10p Gov. Printing Off. 1938

—See Yant, W. P.

U.S. Volunteer Life Saving Corps. Annual report of the U.S. Volunteer Life Saving Corps. U.S. Volunteer Life Saving Corps
—growth of. [W. E. Longfellow] Swim. Feb.-March 1925
—United States Life Saving Service. [Winifred Elizabeth Judge] 1910
Paper given before the Society for Political Study of New York.

U.S. Works Progress Administration. Beach and playground developments will repay in health and pleasure many times their cost. Beach & Pool. July 1937
How to rebuild beaches. Beach & Pool. May 1938

—**Information Service.** Increasing America's recreation facilities. Recrea. Dec. 1936

Units in Pools. See Pools and Bathing Places, Construction of, units

Universities. See Curricula, colleges and universities; Curricula, programming; Curricula, requirements; Meets, history of intercollegiate swimming; Meets, intercollegiate; Officiating, rules for swimming, diving and water polo; Polo, intercollegiate; Pools and Bathing Places, Construction of; Records; Recreational Swimming, leisure use; Teaching, women and girls; Tests, for college graduation; Values, for schools and colleges

Unmack, William (comp). Bill Unmack's 1916 sports almanac and records book. San Francisco, Calif. The Author. 1916

Unwin, F. A. How to swim. Pa. 6d. News Chron. 1935

Urine. See *Physiological Aspects, urine; Water Pollution, by urine*

Utah State Board of Health. Regulations relating to the safety, sanitation, and operation of swimming pools. Free. 5p Utah State Board Health. 1937

V

Vacha, Victoria B. Swimming at Spalding. Physiotherapy Rev. May-June 1938

Vacuum Cleaners. See *Pools, Artificial, Care of, suction sweeping; Pools and Bathing Places, Operation of*

Valade, C. H. Plantar warts. J. Michigan M. Soc. 29:521-24. 1930

Values

—growing, worldwide importance of swimming. [Earl N. Taraldsen] Beach & Pool. Dec. 1937

—how long? [T. W. Sheffield] Beach & Pool. March 1932

—is swimming harmful? [S. E. Bilik] Ath. J. Sept. 1933

—it pays to play. (il) [J. Lippert] Scholastic. May 16, 1936

—sports, games and sea bathing. [R. Cove-Smith] J. State Med. June 1937

—swim for health, youth, and beauty. [F. M. Peto] Outing. Dec. 1919

—swimming as an educational sport. [J. Maronneaud] Gaz. méd. de France (Supp. Climat. d'été). June 1, 1937

—swimming coming to its own. Swim. July 1917

—swimming: its value. [Dorothy J. Dodge] Term paper for Miss Trilling's seminar. University of Wisconsin. Summer, 1932. Unpublished

—swimming, the ever popular sport. (il) Recrea. June 1932

—swimming values. [Grace A. Thomas] Mind & Body. July 1924; also Am. Phys. Educ. Rev. Dec. 1924

—value and dangers of sunlight. [C. L. Lowman] Beach & Pool. May 1936

—what swimming pools mean to America. [W. E. Longfellow] Beach & Pool. Nov. 1932

—why swim? [C. A. Hyatt] Am. Swimmer. Oct. 1922

CITIZENSHIP. See also *Recreational Swimming, leisure use*

—how public baths help to make good citizens. (il) [E. B. Mero] Am. City. Oct. 1909

CORRECTIVE. See *Corrective Swimming, values*

CURATIVE. See also *Corrective Swimming; Spas; Thalassotherapy*

—bathe away those rheumatics. Swim. Times. Sept. 1934

—swimming aids cure. Swim. Times. Sept. 1937

—swimming to get well. Hygeia. Aug. 1923

—water route to health. [G. F. Alsop] Woman's Home Comp. (new series). Aug. 1926

DEVELOPMENTAL, case study to determine some of the effects of "swimming technics" in the development of body mechanics. [Ruth E. Hook] Thesis. Ohio State Univ. 1937

—development of boys into future men through aquatics. [Alfred Wolken] Beach & Pool. March 1937

—place of sun-bathing, sea-bathing and open-air exercise in growth and development. [K. R. C. Hallowes] Brit. J. Phys. Med. June 1935

—swimming baths and ponds and bathing for school children. [Carnegie United Kingdom Trust] Child. June 1918

—swimming in relation to child development. [G. Gianni] Policlinico (sez. prat.). Feb. 5, 1934

—which sport is the best body builder? Report of a study in fourteen prominent American colleges which ranked swimming as the best body builder. [Howard Holt] Feature newspaper article from Springfield Un. & Repub. June 29, 1930

EXERCISE, aquatics: exercise for everyone. (il) [Aileen Riggan] Forum. July 1928

—swimming is ideal physical exercise. [H. G. Metcalf] Red Cross Cou. March 16, 1925; also Swim. Aug. 1925

—swimming—the ideal exercise. [L. de B. Handley] Outing. Sept. 1914

FOR BEAUTY, swim and grow beautiful. [Helen Wainwright] Collier's. Aug. 14, 1926

—swim for health, youth, and beauty. [F. M. Peto] Outing. Dec. 1919

—swim to beauty. (il) [R. Seinfel] Collier's. July 20, 1935

—swimming for beauty. [M. C. Steffens] Good Health. June 1927

FOR GYMNASTIC SOCIETIES, value of swimming pool for gymnastic societies. [C. Ziegler] Mind & Body. July 1917

FOR REDUCING, swim your way to slimness. [G. H. Corsan] Good Health. July 1925

FOR SCHOOLS AND COLLEGES. See also *Curricula, school; Teaching, in schools*

—advantages of pools in prep schools and colleges. [Earl K. Collins] Beach & Pool. Oct. 1934

—importance of teaching school children to swim. [S. K. Nason] Am. City. Sept. 1916

—objective evidence of the value of physical education. [David K. Brace] J. Health & Phys. Educ. April 1933

BIBLIOGRAPHY OF SWIMMING

Values—Continued**FOR SCHOOLS AND COLLEGES—Continued**

- physical education contributes to the seven cardinal principles. [W. R. La Porte] *J. Health & Phys. Educ.* March 1933
- relative values of thirty important activities in the physical education program for boys. [W. R. La Porte] *Res. Quart.* March 1931
- swimming is an important part of physical education. [A. Wittich] *Beach & Pool.* Jan. 1933
- value of swimming course in public schools. [G. Jones] *Red Cross Cou.* June 1, 1925
- what forms of physical activities have the desired educational influence? [C. Diem] *Mind & Body.* Sept.-Oct. 1932
- HAPPINESS**, joys of swimming pools. [J. W. Robinson] *Health.* June 1923
- swim for happiness. [Vance Vieth] *Swim.* Oct. 1924
- HEALTH**, bathing for health; a simple way to physical fitness. [Edwin F. Bowers] \$1 143p *Clode.* 1917
- beach and playground developments will repay in health and pleasure many times their cost. [U.S. Works Progress Administration] *Beach & Pool.* July 1937
- beneficial effects of swimming. [Guy Hinsdale] *Med. J. & Rec.* Aug. 20, 1930
- breast and back strokes—health giving values. [Archibald Sinclair] *Swim.* Jan. 1918
- “C” health swimming. [Elizabeth Autrey] *Water Sports.* p34-5. 1935-36
- health and recreation for city children. [Bertha H. Smith] *Craftsman.* Sept. 1905
- health for the swimmer. [H. F. Enlow] *Hygeia.* July 1925
- how to remain healthy and happy if you’re going swimming. (il) [George A. Skinner] *Hygeia.* July 1935
- hygienic values of swimming. [E. S. Sikes] *Swim.* Feb. 1925
- no fish ever died of pneumonia. (il) [Aileen Riggan] *Am. Aug.* 1931
- physical recreation and exercise: an appeal from the Minister of Health. [Kingsley Wood] *Swim. Times.* Feb. 1937
- role of sports in preventing tuberculosis. [C. G. Chaminaud] *Rev. méd. del Rosario.* Jan.-Feb. 1937
- safeguarding nation’s health with pools. [W. S. Hood] *Beach & Pool.* April 1927
- science and art of swimming from a medical point of view. [J. F. McMillan] *Med. Press.* 1916
- swim and be healthy. (il) [H. P. Croft] *New Jersey Municip.* July 1931
- swim and keep fit. [G. H. Corsan] *Good Health.* June 1926
- swim for health. [F. M. Peto] *Outing.* Dec. 1919
- swim for life: the true story of the author’s experiences. [Herbert Myrick] \$1 *Judd.* 1904
- “swim,” said the doctors, and Johnny swam. (il) [Steve Hannagan] *Lit. Dig.* July 4, 1931
- swimming and health. [C. A. Wilzback] *Assoc. News.* July 1928
- swimming for health. [V. Marshall] *De-lineator.* July 1915
- swimming for health. [Shirley W. Wynne] *WEAF.* June 4, 1930
- swimming from the medical aspect. [C. K. Vartan] *Swim. Times.* Dec. 1933
- swimming from the medical viewpoint. [C. K. Vartan] *Beach & Pool.* June 1934
- Wassersport und Gesundheit (water sport and health). [Theodor Engwer] 137p *Westermann.* 1925
- MENTAL**, mental health through physical education activities. [Sarah Mozelle Tumlin] Thesis. *Peabody Col.* 1930
- mental training through motor activity. [M. A. Rodgers] *J. Health & Phys. Educ.* May 1933
- physical education and mental and cultural development. [G. Gallerani] *Riv. di sc. applicate all’educ. fis. e giovan.* March-April 1931
- resocializing tendencies in physical education for mentally ill. [J. E. Davis] *Ment. Hyg.* July 1931
- significance of sports in psychotherapy. [O. Kauders] *Wien. klin. Wchnschr.* July 9, 1937
- PEACE AND WAR.** See **Military Use; Military Use, historical material**
- POSTURAL.** See also **Corrective Swimming**, for posture improvement
- case study to determine some of the effects of “swimming technics” in the development of body mechanics. [Ruth E. Hook] Thesis. *Ohio State Univ.* 1937
- postural defect as obstacle in learning to swim. [W. Dega] *Verhandl. d. Gesellsch. f. Verdauungs- u. Stoffwechselkr.* (1936) 13:132-36. 1937
- postural values of swimming. [E. S. Sikes] *Swim.* Feb. 1925
- posture training value of various activities. [S. J. Burt] Thesis. *Wellesley Col.* 1931
- value of swimming in the correction of scoliosis. [Charlotte W. Anderson] Thesis. 17p *Univ. Wisconsin.* 1928
- RECREATIONAL.** See also **Recreational Swimming**
- recreational values of swimming. [E. S. Sikes] *Swim.* Feb. 1925
- value of swimming as a recreational activity. (il) [H. Norman Engelsen] *Recrea.* June 1932
- water activities for play and recreation. [Ethel Gentry Blackman] Thesis. *Peabody Col.* 1931
- SAFETY.** See also **Safety**
- swimming for safety. [American Red Cross] *Free. A.R.C.* 1925

—swimming for safety. [V. Marshall] Delinimator. July 1915

THERAPEUTIC. See also **Corrective Swimming**

—therapeutic values of swimming. [G. H. Corsan] Barnes. 1926

TRANSFER, transfer value of athletics. [John Mo] Thesis. Springfield Col. 1926

Van Benschoten, J. Proper methods respecting chlorination of water supplies. Pub. Health J. Nov. 1927

Van Buskirk, L. H. Sanitary aspects of swimming. J. Ohio State Dept. Health. June 1917

Van Court, R. H. Home swimming pools. Indep. July 25, 1912

Vance, F. K. Water-softening costs as compared to regular treatment. (tables) Am. City. May 1936

Vandervort, L. When man turns to the water. Outing. July 1902

Varian, Walter A. Practical lessons in swimming. Outing. July 1893

Vartan, C. K. Swimming from the medical aspect. Swim. Times. Dec. 1933

Swimming from the medical viewpoint. Beach & Pool. June 1934

Vauzel, M. Présence probable du bacille de Whitmore dans l'eau de mare au Tonkin. Bull. Soc. path. exot. 30:10-15. 1937

Vaughn, M. W. Japanese swimmers at the Olympics. Ath J. Dec. 1932

Veale, J. W. See Capen, Charles H. jt. auth.

Velez, D. M. Las conjuntivitis producidas por los baños de inmersión. An. Soc. mex. de oftal. y oto-rino-laring. June 1928

Reglamentos de baños para los estanques de natación. An. Soc. mex. de oftal. y oto-rino-laring. June 1928

Velicogna, A. See Viziano, A. jt. auth.

Vénard, Louis. See Rigal, Georges, jt. auth.

Venner, R. C. Arms in the crawl stroke. Swim. Times. Sept. 1936

Japanese crawl. Swim. Times. Aug. 1935

Japanese victories. Swim. Times. Feb. 1936

Swimming for all. 3s. 6d. Bell. 1931

Ventilation of Pool Buildings. See **Pool Buildings, Ventilation of**

Verhoogen, R. La morte subite des baigneurs. Bruxelles-méd. Aug. 13, 1933

Vernon, H. M. Principles of heating and ventilation. \$5 Longmans. 1934

Vestibular Irritations as Cause of Death. See **Drowning, causes of**

Vidacovitch, M. See Merklen, L. jt. auth.

Vieth, Vance. Swim for happiness. Swim. Oct. 1924

Vigliani, E. See Gedda, L. jt. auth.

Vila Ortiz, J. M. jr. Sobre la conjuntivitis de las piletas de natación. Sus causas. Su profilaxia. Rev. méd. del Rosario. Jan. 1934

Villepion, Guy de. Comment doit-on nager? (il) Ann. Polit. et Lit. July 26, 1925

Comment réduire l'effort en natation? (il, diags) Nature. May 15, 1927

Le crawl. (diags) Nature. June 1, 1930

De l'over au crawl. (il) Ann. Polit. et Lit. May 25, 1937

L'initiation aquatique. (il) Nature. July 15, 1929

My opinion of the Spanish swimmers. Swim. Times. Feb. 1936

My Spanish wonder pool. Swim. Times. May 1934

Nageons! Traité de natation moderne. 209p Grasset. 1929

Les nages modernes, l'art de bien nager. 64p Hachette. 1934

Les piscines en France. (il) Nature. April 15, 1930

Winter swimming in the Canary Islands. Swim. Times. Feb. 1937

Vincent, Vera M. See Stovall, W. D. jt. auth.

Virginia State Board of Health. Swimming pools and other public bathing places. Virginia State Board Health. 1937

Vittorio, Abbo Pietro. Manuale del nuotatore con 97 incisione. Milan, Italy. 1896

Viziano, A. and Velicogna, A. Ricerche elettrocardiografiche nella fatica sportiva. Rassegna di med. appl. lavoro indust. Jan.-Feb. 1933

Vogel, M. Ernährung bei Leibesübungen. Deutsche med. Wchnschr. Aug. 11, 1933

Vogeler, Rudolf F. Neuro-muscular learning; some psychological data applied to swimming. Am. Phys. Educ. Rev. Dec. 1929

—and **Ferguson, V. W.** Effect of sugar ingestion upon athletic performance. Res. Quart. Dec. 1932

—and **Guilford, J. P.** Learning to inhibit and to control breathing. Am. J. Psychol. Oct. 1931

Volk, L. Ueber Bau, Einrichtung und Betrieb von öffentlichen Badeanstalten. Gesundh.-Ing. 48:276-98. 1925

Volunteer, U.S., Life Saving. See **Life Saving, U.S. Volunteer**

Von Recklunghansen, M. Sterilizing the water of swimming pools with ultra violet rays. Sc. Am. Aug. 1915

Vornbrock, Ernst A. Swimming and diving made easy. 50c 34p Aquat. Sports Pub. Co. 1935

W

Wachsmuth, G. Über den Einfluss von See- und Sonnenbädern auf den thyreo-toxischen Gaswechsel. Balneologe. March 1934

Waddington, A. H. Waterborne disease: some random notes of interest to bath superintendents. Baths & Bath Engin. April 1938

BIBLIOGRAPHY OF SWIMMING

Wading Pools. See Pools and Bathing Places, Construction of, wading pools; Pools and Bathing Places, Operation of, wading pools; Pools and Bathing Places, Sanitation of, wading pools

Wagner, E. C. L. Swimming pools and bath houses. *Kansas Municip.* June 1923

Wahle, Otto. Swimming at Olympics, Antwerp, 1920. *In Report of the American Olympic Committee, Antwerp, 1920.* p246-61

—See Daniels, Charles M. jt. auth.

Wainwright, Helen. Come on in! Am. Aug. 1930

Swim and grow beautiful. *Collier's*. Aug. 14, 1926

Waite, D. S. Swimming in British Malaya. *Swim. Times*. April 1936

Walcher, K. Über Schleimhautrisse des Magens bei einem Ertrunkenen. *Deutsche Ztschr. f. d. ges. gerichtl. Med.* 23:319-23. 1934

Wales, Competition in. See Competition, in Wales

Walker, Donald. British manly exercises. *Swimming*, p52-74. 1834

Articles on Swimming appeared in subsequent eds.: 1835, 1838, 1839, 1844, 1847, 9th ed. v44 *Bohn's Illustrated Library*. Hurst. 1856.

Walker, J. H. See White, Alfred H. jt. auth.

Walker, V. L., committee member. See Illinois State Department of Public Health

Walker, W. F. Treatment of swimming pool water with ultra violet rays. (il, diag) *Am. J. Pub. Health*. April 1922; also *Am. Phys. Educ. Rev.* Nov. 1922; also *Nation's Health*. July 15, 1925

—and Pyrer, R. W. Bactericidal action of water treated by ultra violet rays. (diags) *Am. J. Pub. Health*. Aug. 1921

Walker, W. O. Settling of precipitates by centrifugation. *School Sc. & Math.* Feb. 1922

Wallace, Robert. See Pardon, G. F.

Authorship uncertain.

Wallace & Tiernan Company, Inc. Apartment and hotel pools. Free. Wallace & Tiernan

Chlorination in sewage disposal. Free. Wallace & Tiernan

Chlorine control apparatus for water and sewage purification. (diags) 63p Wallace & Tiernan

Keeping the pool safe and sanitary. Wallace & Tiernan. Annual

Master instruction book for Wallace & Tiernan apparatus. (il, plates, diags) Loose-leaf. Wallace & Tiernan. 1924

Pure water for swimming pools. Wallace & Tiernan. Annual

Sanitation of swimming pools. Free. Wallace & Tiernan

Swimming pools and other public bathing places: *reprint of the Report of the Joint Committee on Bathing Places of the American Public Health Association and Conference of State Sanitary Engineers*. Wallace & Tiernan. 1930

—See Bacharach, E. W., and Company; International Filter Company, jt. auth.

Wallace-Dunlop. See Dunlop, R. H. Wallace

Wallen, J. Swimming pool and disease. *Iowa Pub. Health Bull.* Oct. 1925

Waller, Edmund Meredith. Organizing pupils for competition in physical education activities. Thesis. Peabody Col. 1933

Walling, M. C. Jockeying the waves on easily made water skis. *Pop. Sc.* July 1932

Walsh, G. E. Self preservation from drowning. *Country Life*. May 1915

Walsh, H. V. Swimming pool for the garden. (il, diags) *Arts & Decorat.* July 1930

Walsh, John Henry. Athletic sports and manly exercises. 477p *Routledge, Warne*. 1864

Swimming, Sea-bathing by J. G. Wood.

Walter Reed Hospital, Corrective Swimming Program. See Corrective Swimming, institutions

Walton, Frank E. jr. Sea is my workshop; memoirs of a life guard. \$2.50 240p *Dutton*. 1935

Walz, C. D. Swimming pool popularity makes opportunity for plumbers; Palos Verdes estate salt water pool. *Domest. Engin.* Nov. 29, 1930

Wanley, Nathaniel. Wonders of the little world. 1678

Contains a chapter on The wonderful things the ancients did in swimming and diving.

War, Use of Swimming in. See Military Use; Military Use, historical material

Ward and Lock (eds). Illustrated boy's own treasury of sports. 446p *Ward, Lock*. 1860

10p on Swimming.

Ward, J. L. Practical application of hydrotherapy in pediatrics. *Arch. Pediat.* Sept. 1928

Ward, R. L. Scooter provides thrills at beach. *Pop. Mechan.* July 1930

Warm Springs, Corrective Swimming Program. See Corrective Swimming, institutions

Warren, G. J. Swimming and swimming pools. *J. Am. Assoc. Hyg. & Baths.* Sept. 1929

Washington State Board of Health. Rules and regulations governing sanitation: the sanitation of swimming pools and bathing beaches. Free. 6p *Washington State Board Health*. 1936

Washke, Paul R. Eleventh Olympiad. *J. Health & Phys. Educ.* Nov. 1936

Water Analysis

See also Pools and Bathing Places, Operation of; Pools and Bathing Places, Sanitation of; Regulations; Regulations, state; Water Pollution; Water Purification

BACTERIOLOGICAL, bacterial examination of water in public swimming baths. [G. K. Bowes] *J. State Med.* Sept. 1928

—bacteriologic content of water in outdoor pools. [S. Hoffmann] *Arch. f. Hyg.* June 1937

—bacteriological analysis of swimming bath water. [Thomas E. Mogg] *Baths & Bath Engin.* April 1937

—bacteriological analysis of swimming bath water; note on the interpretation. [F. M. W. Jaffe and J. C. Harrell] *Baths & Bath Engin.* March 1937

—bacteriological analysis of swimming pool waters. [M. G. Griffiths] Thesis. Springfield Col. 1932

—bacteriological examination of bath waters. [A. M. N. Pringle] *Baths & Bath Engin.* March 1938

—bacteriological examination of swimming pool water. *Baths & Bath Engin.* Oct. 1936

—bacteriological examination of swimming pools. [E. H. T. Foster] *Phys. Train.* Dec. 1908

—bacteriological examination of water: comparative studies of media used. [Herman E. Hasseltine] 10p Gov. Printing Off. 1917

—bacteriological examination of water; fallacies of occasional examination. [J. M. Beattie] *Lancet.* Dec. 20, 1930

—bacteriological methods used in state water laboratory. [Cassandra Ritter] *J. Kansas M. Soc.* June 1927

—bacteriological study of swimming pool sanitation, a thesis in hygiene. [Arnold Kingsley Muzsey] Thesis. Univ. Pennsylvania. 1933

—bacteriological study of the swimming tanks of Manila. [C. E. Gabel] *Rev. filipina de med. y farm.* 7:403-08. 1916

—bacteriology of swimming pools. [Mae B. Simas] Thesis. Univ. Nevada. 1932

—bacteriology of the pool. [W. L. Mallmann] *J. Am. Assoc. Hyg. & Baths.* April 1932; *also Canad. Engin.* June 21, 1932

—bases for hygienic evaluation of water in indoor swimming pools. [G. Nordgren and P. Funkquist] *Nord. hyg. tidskr.* 18:412-22. 1937

—British swimming bath water standard: examination of swimming bath water. [National Association of Bath Superintendents] *Baths & Bath Engin.* Oct. 1936

—coli-aerogenes differentiation in analysis. [C. C. Ruchhoft, J. G. Kallas, B. Chinn and E. W. Coulter] *J. Bact.* June 1931

—comparative study of certain selective media used in water analysis together with review of literature on subject. [T. H. S. Raghavachari and P. V. S. Iyer] *Indian J. M. Research.* Jan. 1936

—comparative study of sodium citrate and tartrate in differentiation of *B. coli* in water analysis. [J. L. Pawan] *Ann. Trop. Med.* Aug. 1926

—comparison of Dominick-Lauter test for *B. coli* in water with that of "standard methods"; final report. [H. W. Leahy, J. W. Freeman and C. P. Katsanyes] *Am. J. Pub. Health.* Nov. 1930

—critical review of methods with suggestions for their improvement. [J. W. H. Johnson] *Analyst.* March 1927

—determination of urea in water and its decomposition by bacteria of chlorine. [H. Wette] *Arch. f. Hyg.* 101:223-33. 1929

—Dominick-Lauter method compared with standard methods in differentiating coli-aerogenes group in analysis. [J. M. McCants] *U.S. Nav. M. Bull.* July 1931

—l'eau (water). [Marius Paul Otto] 189p *Hachette.* 1934

—elements of water bacteriology, with special reference to sanitary water analysis. [Samuel Cate Prescott and Charles Edward A. Winslow] \$2.25 Wiley. 1924; 5th ed. rev. 219p Wiley; Chapman & Hall. 1931

—examination of Munich public baths. [H. Ilzhofer] *Am. J. Pub. Health.* Nov. 1929

—examination of swimming pools. [H. Ilzhofer] *J. Am. Water Works Assoc.* Oct. 1930

—examination of swimming pools in Stockholm and vicinity. [H. Huss] *Nord. hyg. tidskr.* p460-77. 1924

—examination of water, bacteriological. [William Pitt Mason] \$3 Wiley. 1931

—examination of water for sanitary and technic purposes. [H. Leffman] 3rd ed. \$1.25; 7th ed. rev. and enl. \$1.75 Blakiston. 1915

—examination of water of public pools. [H. Ilzhofer] *Gesundh.-Ing.* Aug. 11, 1928

—examination of waters and water supplies. [J. C. Thresh and J. F. Beale] 3rd ed. \$7.50 Blakiston. 1925

—experiences with the presumptive and confirmatory tests for *B. coli* in water analysis. [Max Levine] *J. Am. Water Works Assoc.* March 1920; *reprint* (Iowa State Col. Contribution No. 12). *Engineering Experiment Station.* 1920

—further observations on the eosin-methylene blue agar. [Max Levine] *J. Am. Water Works Assoc.* March 1921; *reprint* (Iowa State Col. Contribution No. 13). *Engineering Experiment Station.* 1921

BIBLIOGRAPHY OF SWIMMING

Water Analysis—Continued

BACTERIOLOGICAL—Continued

- guide to the sanitary analysis of water. [M. M. Cloud] \$1 Hudson. 1905
- identification of fecal colon bacilli by incubation of cultures at temperature of 46° C. [A. de Magalhães] Arq. do Inst. bact. Camara Pestana. 6:95-103. 1932
- indices of sanitary quality of pool waters. [Murray Philip Horwood, B. S. Gould and H. Shwachman] J. Am. Water Works Assoc. Jan. 1933
- irregularities in test for *B. coli*. [R. E. Thompson] J. Bact. March 1927
- laboratory control of a modern pool. [M. C. Whipple] Am. School & Univ. p212-14. 1936
- laboratory control of water purification plants. [H. E. Jordan] Am. J. Pub. Health. April 1936
- laboratory manual for. [Frank R. Theroux, Edward F. Eldridge and W. L. Mallmann] 2nd ed. rev. and enl. \$2.50 228p McGraw-Hill. 1936
- methods—of examining filtered and chlorinated water. [V. Gegenbauer] Wien. med. Wchnschr. Dec. 13, 1930
- necessity for continual inspection of water of pools. [Jack J. Hinman, jr.] Swim. June 1925
- new method of determining amount of coli Bacilli. [L. von Wikulli] Centralbl. f. Bakt. Nov. 22, 1927
- notes on. [W. W. Fytel] \$3 Lippincott. 1922
- observations on examination of pools. [J. A. B. Hicks, R. J. Pulvertaft and F. R. Chopping] Brit. M. J. Sept. 30, 1933
- practical study of procedures for the detection of the presence of coliform organisms in water. (tables) [M. H. McGrady] Am. J. Pub. Health. Dec. 1937
- proposed changes in standard methods of water analysis. Am. J. Pub. Health. July 1931
- quantitative studies on bacteria cultured on agar and on gelatin. [G. Barsini] Diag. e tec. di lab. June 25, 1936
- rapid bacteriologic analysis of water. [A. A. Egger] Gig. i sotsialist. zdra-vookh. (no. 1) 1:59-66. 1932
- report on standards for bacterial quality of water at natural bathing places. [G. C. Houser] Boston Dept. Sanit. Engin. Nov. 22, 1932
Compiled for Boston Department of Sanitary Engineers.
- results of *B. coli* tests in group of pools in New York and Detroit. [S. Pin-cus] Canad. Engin. Sept. 3, 1932
- search for pathogenic bacteria in swimming pools. (bib) [W. R. Stokes] Am. J. Pub. Health. April 1927
- simplified control of swimming pools. [Jean Broadhurst] Teachers Col. Rev. May 1931; *reprint* Bur. Publications. 1931
- simplified procedure in determining *B. coli* in water (presumptive test). [W. Litterer] Am. J. Pub. Health. April 1928
- standard methods for the examination of water and sewage; microscopical and bacteriological examination of water. [American Public Health Association and American Water Works Association] 6th ed. \$2 119p 1925; 7th ed. \$2 180p 1933; 8th ed. \$2.50 309p Am. Pub. Health Assoc. 1936
- studies on *Bacterium coli* and closely related forms. [Max Levine] Ph.D. Thesis, 342p Univ. Iowa. 1922
- system for bacteriological examination of water. [A. J. Salle] J. Bact. Dec. 1930
- tests for *Bacillus coli*. [F. Dienert and P. Étrillard] Ann. Inst. Pasteur. March 1931
- value of bacteriologic . . . findings for judging hygienic properties. [E. Remy] Arch. f. Hyg. Jan.-Feb. 1936
- water analysis for sanitary and technical purposes. [H. B. Stokes] 2nd ed. \$3.50 135p Lippincott. 1932

CHEMICAL, A B C of pH (hydrogen ion) control; descriptions of the Block Comparator with directions for its use. [La Motte Chemical Products Company] Free. La Motte Chem. Prod. Co. 1933

- biochemical differential tests and their interpretation. [C. C. Ruchhoff, J. G. Kallas, B. Chinn and E. W. Coulter] J. Bact. Aug. 1931
- chemical control of pool water. [F. R. McCrum] Beach & Pool. Oct. 1934
- chemistry of the pool. [A. J. Danielson] Phys. Train. June 1925
- chemistry of the pool. [Francis D. West] Swim. Pool World. April-May 1932
- colored scale for determining amount of chlorine—from .2 to 1 dng. [L. Migette] Rev. d'hyg. March 1937
- determination of acidity in heavy water. (bib, tables) [V. K. LaMer and S. Korman] Sc. (new series). June 26, 1936
- determination of available chlorine in water-sterilizing powder (chlorine) by means of Horrocks box and hypotablets. [S. Elliot] J. Roy. Army M. Corps. Aug. 1927
- examination of water, chemical. [William Pitt Mason] \$3 Wiley. 1931
- guide to the chemical analysis of water. [M. M. Cloud] \$1 Hudson. 1905
- laboratory manual for. [Frank R. Theroux, Edward F. Eldridge and W. L. Mallmann] 2nd ed. rev. and enl. \$2.50 228p McGraw-Hill. 1936
- report of committee on method of stating water-analyses. [Chemical Society of Washington] 45p Chem. Soc. Washington. 1887
Committee composed of A. C. Peale, Wm. H. Seaman, and C. H. White.

- tests for phenolic tastes and odors in water after chlorination. [W. L. Stevenson] Am. J. Public Health. July 1928
- value of bacteriologic and chemical findings for judging hygienic properties. [E. Remy] Arch. f. Hyg. Jan.-Feb. 1936
- INTERPRETATION OF FINDINGS, fallacy of usual tests for swimming pools. [J. W. Robinson] California State J. M. Feb. 1922
- hygiene of chlorinated water; value of bacteriologic and chemical findings for judging hygienic properties. [E. Remy] Arch. f. Hyg. Jan.-Feb. 1936
- inferential index of swimming pool purity. [G. M. Fair] Am. J. Pub. Health. June 1920
- interpretation of bacteriological findings in water analysis. [Cassandra Ritter] J. Kansas M. Soc. July 1927
- methods of rating swimming pools at Baltimore, Maryland. Municipal News & Water Works. July 1928
- necessity for continual inspection of water of swimming pools. [Jack J. Hinman, jr.] Swim. June 1925
- results of examining filtered and chlorinated water. [V. Gegenbauer] Wien. med. Wchnschr. Dec. 13, 1930
- swimming pool water analysis: its classification and meaning. [S. J. Ballard] Columbia Univ., Dept. Chem. Engin. SAMPLES FOR, apparatus for taking samples from different levels. [J. A. Reyniers] Sc. Jan. 15, 1932
- comparison on numbers of *Bacterium coli* in iced and uniced samples of water shipped to laboratory for bacteriological examination. [G. Ellison, H. W. Hackler and W. A. Buice] South. Med. J. Nov. 1928
- effect of temperature of storage on bacteria in water samples. [F. W. Tanner and D. L. Schneider] Proc. Soc. Exper. Biol. & Med. March 1935
- hygienic studies on samples in containers; quantity of water in relation to number of bacteria. [Y. Takabataki] Nagasaki Igakkai Zassi. April 25, 1936
- importance of proper sample. [O. Lüning] Ztschr. f. Untersuch. d. Lebensmitt. May 1927
- improved water sample bottle. [R. L. Laybourn] Am. J. Pub. Health. April 1931
- new water sample shipping case with some observations on the changes that take place in stored samples of water. (ii) [Roscoe Roy Spencer and H. P. Letton] 8p Gov. Printing Off. 1917
- taking samples of water for bacteriologic examination. [H. Huss] Nord. hyg. tidskr. 17:394-98. 1936
- value of thiosulphate-treated bottles for counts on shipped swimming pool samples. [Cassandra Ritter] J. Am. Water Works Assoc. April 1937
- Water Fronts. See Pools and Bathing Places, beaches and water fronts; Pools and Bathing Places, Operation of, beaches; Pools and Bathing Places, Operation of, combination beach and pool; Pools and Bathing Places, Sanitation of, beaches; Surf Swimming
- Water Heating. See Pool Buildings and Water, Heating of
- Water in Lungs of Drowned Victims. See Drowning, water in lungs
- Water Pollution
 - See also Pools and Bathing Places, Operation of; Pools and Bathing Places, Sanitation of; Regulations; Regulations, state; Water Analysis; Water Purification
 - bacteriological study of bathing beach waters in New Haven harbor. [David Moxon] Thesis. Yale Univ.
 - bathing in polluted waters. Lit. Dig. Sept. 22, 1928
 - danger of transmission of Weil's disease from swimming in contaminated water. [R. N. M. Eykel] Tijdschr. v. sociale hyg. May 1933
 - infected beaches and bathing pools: a remedy. Lit. Dig. Sept. 21, 1929
 - observations on the micro-organisms in the water of public swimming baths. [E. E. Glynn] Pediat. 15:133-41. 1903
 - pollution of swimming baths. [J. A. Forbes] School Hyg. (Eng.) May 1912
 - pollution of swimming pools. [H. S. Lang] Domest. Engin. June 15, 1929
 - swimming baths; dangers of pollution and measures for prevention. [J. G. Forbes] J. State Med. Oct. 1927
- BACTERIAL, bacterial pollution of bathing beach waters in New Haven harbor. [Charles Edward A. Winslow and David Moxon] Am. J. Hyg. May 1928
- investigation into bacterial pollution of swimming baths. [B. L. Davis] J. Roy. Army M. Corps. Feb., March, May and July 1933
- By URINE, pollution by urine of swimming pools. [C. A. Mahla] Arch. f. Hyg. July 1933
- DISEASES FROM. See Diseases
- FROM ALGAE GROWTHS. See also Water Purification, algae control
 - algal growths in tank waters and effect on them of removal of dissolved bicarbonates of water by addition of sulphuric acid. [V. G. Raju] Indian J. M. Research. April 1924
- FROM BACILLUS COLI, *bacillus coli* in water. [K. von Kagedes] Gesundh.-Ing. Sept. 19, 1931
- Bacterium coli* and *Bacterium aerogenes* in swimming pools. [Max Levine and C. H. Werkman] J. Am. Water Works Assoc. July 1923

BIBLIOGRAPHY OF SWIMMING

Water Pollution—Continued

FROM BACILLUS COLI—Continued

—quantitative determination of *B. coli* in heavily polluted waters: a study of the presumptive tests. [Gustav F. Ruediger and Frederick A. Slyfield] *J. Am. Pub. Health Assoc.* Nov. 1911; *reprint* Urbana, Ill. 1911

—tracing *Bacterium coli commune* as indicator of fecal contamination of water. [O. Acklin] *Centralbl. f. Bakter.* Jan. 3, 1927

FROM CHROMOGENIC ORGANISMS, chromogenic organisms in swimming pools. [T. D. L. Coffin] *J. Am. Water Works Assoc.* Oct. 1924

FROM OIL, effect of oil pollution of coast and other waters on public health. [F. W. Lane, A. D. Bauer, H. F. Fisher and P. N. Harding] *Pub. Health Rep.* July 11, 1924

—oil pollution at bathing beaches. [U.S. Bureau of Mines, Committee on Oil Pollution] *Pub. Health Rep.* Dec. 19, 1924; *reprint* Gov. Printing Off. 1924
Prepared by a committee consisting of F. W. Lane, A. D. Bauer, H. F. Fisher and P. N. Harding.

INDICES OF. See also Water Pollution, streptococcus as indicator of

—pollution indices of natural bathing places. [W. L. Mallmann and A. Sypien] *Am. J. Pub. Health.* July 1934

OF STREAMS, LAKES AND RIVERS, eliminating pollution from Great Lakes and St. Lawrence waterways; Great Lakes. [A. J. McLaughlin] *Am. J. Pub. Health.* May 1927

—eliminating pollution from Great Lakes and St. Lawrence waterways; Lake Erie and Niagara River. [Joseph Wilton Ellms] *Am. J. Pub. Health.* May 1927

—eliminating pollution from Great Lakes and St. Lawrence waterways; Lake Michigan. [L. Pearse] *Am. J. Pub. Health.* June 1927

—eliminating pollution from Great Lakes and St. Lawrence waterways; Lake Superior. [G. H. Ferguson] *Am. J. Pub. Health.* June 1927

—law relating to rivers pollution prevention. [A. Bebbington] M. Officer. Jan. 7, 1928

—pollution of lakes and rivers. *Outlook.* Sept. 24, 1910

—prevention of water pollution. [E. Escome] *Siglo med.* 74:273-76. Sept. 20, 1924

—stream pollution. [U.S. Public Health Service] 51p Gov. Printing Off. 1926
I. A review of the work of the United States Public Health Service in investigations of stream pollution, by W. H. Frost. II. The rate of deoxygenation of polluted waters, by E. J. Theriault. III. The rate of atmospheric reaeration of sewage-polluted streams, by Harold W. Streeter. IV. Quantitative studies of bacterial pollution and natural purification in the Ohio and Illinois rivers, by J. K. Hoskins.

—stream pollution and methods of prevention. [L. Pearse] Illinois M. J. Nov. 1926

—stream pollution and stream purification. [Conference on Stream Pollution and Stream Purification] 103p Gov. Printing Off. 1935

Report of Senator Augustine Lonergan, chairman of the conference with the Secretary of War, relative to the proposal to grant federal authority to prevent stream pollution and to provide for stream purification.

—stream pollution control in Iowa. [W. L. Biering and A. H. Wieters] *Proc. Conf. State & Prov. Health Author. North America.* 51:48-52. 1936

—stream pollution, international and interstate and local. [J. C. MacDonald] *Proc. Conf. State & Prov. Health Author. North America.* 51:44-48. 1936

STREPTOCOCCUS AS INDICATOR OF, streptococcus as an indicator of swimming pool pollution. [W. L. Mallmann] *Am. J. Pub. Health.* June 1928

Water Purification

See also Pools and Bathing Places, Operation of; Pools and Bathing Places, Sanitation of; Public Health; Regulations; Regulations, state; Water Analysis; Water Pollution

—[Joseph Wilton Ellms] 1st ed. \$5 1917; 2nd ed. \$7 594p McGraw-Hill. 1928

—[J. Tillmans] \$2 Van Nostrand. 1913

—application of principles of water purification to control of pools. (tables, diag) [A. H. Fletcher and A. E. Clark] *Am. J. Pub. Health.* May 1933

—biological purification of water for use in covered-in and open-air swimming baths. *Swim. Times.* July 1936

—chemical control of pool water. [F. R. McCrum] *Beach & Pool.* Oct. 1934

—chemical disinfection of water. [E. B. Phelps] 5c Gov. Printing Off. 1914. 1918

—cleaner water for swimming pools: Ministry of Health's (England) advice. *Swim. Times.* Dec. 1935

—clinic speech about modern pools. [Edward P. Schinman] *Beach & Pool.* Oct. 1937

—conditioning of water. [F. R. McCrum] *Beach & Pool.* May 1930

—constant color. [Hellige-Klett Company, Inc.] Free. Hellige-Klett

—control of swimming baths: chemical and biological considerations; measures for the prevention of deterioration of water. *Municipal J.* April 7, 1933

—control of swimming pools. [C. A. Hechmer] *Municipal Sanit.* April-May 1934

—disinfection and sterilization. [E. C. McCulloch] \$5.50 Lea & Febiger. 1936

—disinfection of a swimming pool. [Harold L. Parker] Thesis. Ohio State Univ. 1929

—disinfection of swimming pool. *J. Am. Med. Assoc.* Oct. 29, 1932

—disinfection of swimming pools. *Sc. Am.* Nov. 1915

- disinfection of swimming pools. [F. M. Houghtaling] *Ohio State M. J.* Aug. 1929
- disinfection of water in swimming pools: report of Joint Committee on Bathing Places as presented to Public Health Engineering section of the convention, October, 1926. *Mind & Body*. April 1929 and March 1930
- l'eau (water). [Marius Paul Otto] 189p Hachette. 1934
- essentials of swimming pool water control. [Paul H. Huedepohl] *Beach & Pool*. May 1935
- factors in swimming pool control. [W. D. Stovall and M. S. Nichols] *J. Infect. Dis.* Nov. 1917
- important discovery in the purification of water. *Sc. Am.* March 18, 1905
- investigations of chemical reactions involved in water purification, 1920-1925. [Illinois Water Survey Committee] 133p State of Illinois. 1926

Use of the hydrogen electrode in investigations of chemical reactions involved in water purification; the relation of hydrogen-ion concentration to the properties of alum floc; studies on the precipitation of calcium, magnesium and aluminum; precipitation of alumina in the acid range of hydrogen-ion concentration.
- keeping pools pure and wholesome. [C. G. Gillespie] *Met. Work.* 90:553; 656; 709 and 91:86. 1919
- making water safe for swimmers. [W. P. Sharp] *Hygeia*. Feb. 1925
- modern aspects of. [R. J. S. McDowall] *Sc. Prog.* Oct. 1922
- municipal baths and water purification. [S. H. Morgan] *J. Roy. San. Inst.* March 1936
- pool emergencies. [A. M. Crane] *Notab. Swim. Pools.* 1:88-91. 1933

Chief emergencies encountered; filtration; disinfection; cleansing; usual practice; filter operation; coagulation; conditional amount; different method for alkalinity; circulating pump; disinfection; frequency of application of hypochlorite of lime or copper sulphate; sundry suggestions.
- pure water for swimming pools. [Wallace & Tiernan Company, Inc.] *Wallace & Tiernan*. Annual
- purification and heating at the Lido. [T. Wolfram] *Beach & Pool*. May 1931
- purification of American outdoor bathing places. *Baths & Bath Engin.* July 1936
- purification of bath water. [A. A. Turner] *J. Roy. San. Inst.* Feb. 1935
- purification of swimming bath water. *Far East Rev.* Aug. 1925
- purification of swimming bath water. [A. M. N. Pringle] *J. Roy. San. Inst.* July 1936
- purification of swimming bath water (practice in Hamburg). *Baths & Bath Engin.* Jan. 1937
- purification of swimming bath's water. [J. Moore] *Surveyor.* Oct. 21, 1927
- purification of swimming pool water. [G. C. Dunham] *Mil. Surg.* March 1929
- purification of the water of swimming-baths. *J. Am. Water Works Assoc.* May 1930
- purification of the water of swimming baths. [Great Britain Ministry of Health] 52p His Majesty's Stat. Off. 1929
- purification of water for swimming pools, setting forth requirements of the ideal water for swimming pools, together with a résumé of the methods now generally employed. [Frank E. Hartman] 20p Scottsdale, Pa. The Author. 1921
- purification of water of Como pool. [L. Schioppa] *Ann. d'ig.* May 1937
- purification of water of Liseberg outdoor swimming pool. [M. Rybäck] *Nord. hyg. tidskr.* 19:87-92. 1938
- purification of water of public pools. [G. H. Sieveking] *Fortschr. d. Med.* June 26, 1931
- purification of water with special reference to swimming pools. (il) [Frank E. Hartman] 20p Scottsdale, Pa. The May-July 1928
- purifying water in swimming pools. *Canad. Engin.* March 20, 1928
- purity of swimming pool water. [H. T. Calvert] *Canad. Engin.* Aug. 2, 1930
- qualités de l'eau et moyens de correction (qualities of water and means of correction). [Édouard Imbeaux] 834p Dunod. 1935
- relation of hydrogen-ion concentration to the properties of alum floc. [Gail Phillips Edwards] *Ph.D. Thesis.* 133p Univ. Illinois. 1923
- removal of iron and manganese from water. [H. Noll] *Techn. Gemeindeblatt.* Jan. 20, 1927
- report of committee on statistics of water purification. [New England Water Works Association] *New England Water Works Assoc.* 1915
- sediment and impurities in supposedly filtered water. [A. A. Egger] *Profilak. med.* July-Aug. 1932
- something new in water sterilization. [C. H. Brondes] *Beach & Pool.* July 1934
- sterilization of swimming bath water. *Canad. Chem. & Metall.* Aug. 1929
- sterilization of swimming baths. *Chem. Age.* Oct. 19, 1929
- sterilization of swimming pool. [E. U. Meehan] *Mind & Body.* Dec. 1915
- sterilization of swimming pools. (il) [T. R. Banks] *Swim. Pool Data & Ref. Ann.* 5:27-29. 1937
- sterilization of swimming pools. [V. J. Harder] *J. Am. Assoc. Hyg. & Baths.* Sept. 1929
- sterilization of water. [A. Graumann] *Umschau.* Aug. 13, 1927
- sterilization of water. (il) [E. Guarini] *Sc. Am.* Sept. 2, 1905

BIBLIOGRAPHY OF SWIMMING

Water Purification—Continued

- sterilization of water by variation of pH. [J. R. Risquez] *Gac. méd. de Caracas*. Sept. 15, 1937
- sterilizing the modern pool. [C. Ninekirk] *Architect & Engin.* Sept. 1932
- studies on swimming pool sterilization. [G. D. Rose and L. Rowan] Thesis (undergraduate). *Purdue Univ.* 1938
- study of the sanitary condition of the swimming pool at the Lincoln High School. [Grewe] Thesis. 18p *Univ. Nebraska*. 1918
- swimming bath water purification from the public health standpoint, with special reference to plant and equipment and hygienic education. (il) [Frank Wilkinson and F. J. Forty] 1st ed. 1929; 2nd ed. \$3.75; 12s. 6d. 264p *Contractors' Rec.* 1934
- swimming-bath water sterilization. *Elec. Rev.* Jan. 5, 1934
- swimming pool pathology. [Ralph A. Fenton] *Northwest Med.* May 1928
- swimming pool sterilization. [E. W. Bacharach and Company, Ficlor Company, Pardee Engineering Company, Permutit Company and Wallace & Tiernan Company, Inc.] *Municipal Ind.* p266-7; 281; 299; 300; 310; 382. 1933
- swimming pool sterilization. [E. W. Bacharach and Company, Graver Corporation, International Filter Company, Paragon Manufacturing Company, Permutit Company, Roberts Filter Manufacturing Company, Wm. B. Scaife and Sons Company and Wallace & Tiernan Company, Inc.] *Municipal Ind.* p370-1; 413; 417; 456; 474; 476; 487; 489; 491; 517-19; 527; 529-30; 598-9. 1930
- swimming pool sterilization. [E. W. Bacharach and Company, Hydrozone Company, Inc., International Filter Company, Norwood Engineering Company, Paragon Company, Permutit Company, Wm. B. Scaife and Sons Company and Wallace & Tiernan Company, Inc.] *Municipal Ind.* p454-7; 501; 520; 528-9; 541; 572-4; 682. 1931
- swimming pool sterilization. [International Filter Company, Permutit Company and Wallace & Tiernan Company, Inc.] *Municipal Ind.* p342-5; 387; 395; 472; 540-1; 548. 1932
- swimming pool water sterilization. [F. H. Broome] *Pow. Pl. Engin.* May 1933
- swimming pools and their purification. [F. D. Stricker] *Am. Phys. Educ. Rev.* Jan. 1915
- swimming pools, simple and satisfactory treatment. [E. L. Ruffner] *Mil. Surg.* Sept. 1931
- treated water in swimming pools. [F. H. Stover] *J. Am. Water Works Assoc.* Nov. 1925
- urban water survey: investigation of chemical reactions involved in water purification, 1920-1925. *Illinois State Lib.* 1926
- water and its purification. [S. Rideal] \$3 *Lippincott*. 1902
- water fit to drink. [Julian M. Bamberger] *Beach & Pool*. Feb. 1932
- water for swimming baths: purification and reutilisation. *Municipal Engin.* March 17, 1932
- water in public swimming baths. [National Association of Bath Superintendents] *Baths & Bath Engin.* Nov. 1936
- water purification control. (il) [Edward S. Hopkins] 1st ed. 10s. *Baillière, Tindall & Cox*. 1932; 2nd ed. \$1.75 *Williams & Wilkins*. 1936
- water sanitation at Krug Park swimming pool, Omaha, Neb. [R. N. Perkins] *J. Am. Water Works Assoc.* March 1922
- water softening and purification; the softening and clarification of hard and dirty waters. [Harold Collet] 168p *Spon, E. & F. N.; Spon*. 1896. 1908
- water sterilization. (il) [G. Gradenwitz] *Sc. Am.* June 1906
- water treatment. [William Henry Booth] \$3.50 308p *Constable*. 1906
- water treatment and purification. (il) [William John Ryan] 1st ed. 242p *McGraw-Hill*. 1937
- what makes a pool successful? [C. A. Hyatt] *Beach & Pool*. May 1929.
- ALGAE CONTROL, algae and its control. [Roy Welter] *Beach & Pool*. April 1931
- algal growths in tank waters and effect on them of removal of dissolved bicarbonates of water by addition of sulphuric acid. [V. G. Raju] *Indian J. M. Research*. April 1924
- by chlorination. [L. B. Mangun] *Am. City*. Oct. 1928
- in outdoor swimming pools. [C. Cohen] *Am. City*. Aug. 1927
- latest developments in the control of algae growths and their tastes and odors. [Julian M. Bamberger] *Beach & Pool*. Jan. 1938
- method of destroying or preventing the growth of algae and certain pathogenic bacteria in water supplies. [George T. Moore and Karl F. Kellerman] 44p (U.S. Dept. of Agriculture, Bureau of Plant Industry, Bulletin no.64). *Gov. Printing Off.* 1904
- new method. [R. M. Whittacker] *Swim. Pool Data & Ref. Ann.* 3:28-29. 1935
- special circulation for a particular case: regurgitation to prevent the "rooting" of algae. [E. Copeland Snelgrove] *Baths & Bath Engin.* Nov. 1937
- successful control of algae in pools in Cologne. [K. L. Pesch and E. Sauerborn] *Zentralbl. f. Gesundheit. u. Stadthyg.* June 1932

ALUM IN. See also Water Analysis, chemical
—function of alum in water purification. [W. F. Donohoe] Am. City. July 1923
—influence of hydrogen ion concentration of dose of alum and mechanism of action of alum in clarification of natural waters. [N. L. Banerji] Indian J. M. Research. Jan. 1924
—investigations of chemical reactions involved in water purification, 1920-1925. [Illinois Water Survey Committee] 133p State of Illinois. 1926
—modern pH and chlorine control. [W. A. Taylor & Company, Inc.] Free. Taylor & Co. 1935
—relation of hydrogen-ion concentration to the properties of alum floc. [Gail Phillips Edwards] Ph.D. Thesis. 133p Univ. Illinois. 1923

AMMONIA IN. See Water Purification, chlorination and chlorine-ammonia process

BIOFILTER SYSTEM. See also Water Purification, filtration and recirculation
—applied to swimming pool water purification. [E. H. Ellis] Baths & Bath Engin. Nov.-Dec. 1936
—“Biofilter” system. Baths & Bath Engin. March 1937

CATADYN METHOD, disinfection of water by catadyn process. [J. W. Bigger and L. L. Griffiths] Irish J. M. Sc. Jan. 1933
—limitations of electrocatadyn methods for regenerating water for bathing. [E. Remy] Ztschr. f. Hyg. u. Infektionskr. 119:263-68. 1937
—sterilization of water by catadyn method. [N. D. R. Schaafsma and F. J. H. Davis] Mededeel. v. d. dienst d. volksgezondh. in Nederl.-Indië. (no.4) 21: 257-63. 1932

CHARCOAL FOR, [Koenig] Gesundh.-Ing. May 2-9, 1931
—new method for water purification using active charcoal. [R. Freitag] Med. Welt. Jan. 18, 1936

CHLORAMINE PROCESS. See Water Purification, chlorination and chlorine-ammonia process

CHLORIDES AND HYPOCHLORITES IN. See also Water Purification, chlorination and chlorine-ammonia process
—automatic purification with sodium hypochlorite. [P. Bunau-Varilla] Rev. Scient. March 26, 1927
—calcium hypochlorite for Lyster bags. [E. M. Sleger] U.S. Nav. M. Bull. Jan. 1927
—calcium hypochlorite in water purification. [J. A. Cruikshank] J. Am. Med. Assoc. May 10, 1913
—chloride of lime in the purification of swimming pools. (bib) [S. C. Markley] Am. Phys. Educ. Rev. Feb. 1913
—factors influencing use of stable calcium hypochlorite in water sterilizing bag. [L. A. Fox] Mil. Surg. May 1936

—manufacture and use of electrolytic sodium hypochlorite. (ii) Baths & Bath Engin. Feb. 1938
—silver chloride combined with copper chloride treatment of swimming pools. [W. Olszewski] Gesundh.-Ing. Nov. 8, 1930
—sodium chloride. [H. L. Harris] J. Am. Med. Assoc. May 1920

CHLORINATION AND CHLORINE-AMMONIA PROCESS. See also Pools and Bathing Places, Operation of; Pools and Bathing Places, Sanitation of; Regulations; Regulations, state
—advantages of chloramine treatment of water. Am. City. July 1930
—advantages of the ammonia-chlorine treatment of water. [J. F. T. Berliner and A. E. Howe] Am. City. Oct. 1931
—algae control by chlorination. [L. B. Mangun] Am. City. Oct. 1928
—ammonia-chlorine treatment; experiments with waters of different degrees of acidity and alkalinity and varying amounts of pollution. [S. Elliott] J. Roy. Army M. Corps. Aug. 1936
—ammoniation practice in the East. [William J. Orchard] J. Am. Water Works Assoc. March 1933
—amount of chlorine needed; bactericidal effect. [V. Froboese] Arb. a. d. Reichsgesundhamt. 62:209-22. 1930
—automatic chlorination solves potential water-pollution problem. (diag) Am. City. Jan. 1937
—automatic treatment of water with chlorine. [J. Blanc and J. Blanchard] Bull. Soc. d. sc. méd. et biol. de Montpellier. Feb. 1927
—bacteriological methods of testing and means of disinfecting water with chlorine; with particular reference to swimming pool water. (bib, tables) [W. L. Mallmann and W. H. Cary, jr.] Am. J. Pub. Health. Jan. 1934
—behavior of chloramines in swimming pool sterilization. [Charles H. Capen, jr.] Beach & Pool. June 1936; also Baths & Bath Engin. Feb. and April 1937
—binding power of chlorine. [Schmidt and Mühlensbach] Gesundh.-Ing. Jan. 3, 1931
—chloramine in treatment of pool water. [J. F. T. Berliner] Beach & Pool. Feb. 1931
—chloramines in swimming pool sterilization. [Wm. H. Moseley] Beach & Pool. June 1933; also Notab. Swim. Pools. 1:93. 1933
—chlorinating an open bathing beach. [L. M. Board] Beach & Pool. June 1932
—chlorinating bathing water. [W. P. Baker and P. E. McNabb] Canad. Engin. Nov. 11, 1924
—chlorinating large swimming pools. Am. City. June 1925
—chlorination, a reserve protection, or an integral part of purification? [Harold W. Streeter] Am. City. Dec. 1926

BIBLIOGRAPHY OF SWIMMING

Water Purification—Continued

CHLORINATION—Continued

- chlorination and continuous filtration. *Nation's Health*. Jan. 1925
- chlorination in sewage disposal. [Wallace & Tiernan Company, Inc.] *Free. Wallace & Tiernan*
- chlorination of contaminated sea water for bathing. [O. Klingberg and E. Schroedter] *Gesundh.-Ing.* Nov. 22, 1930
- chlorination of swimming pool water. [C. G. Gillespie] *Municipal Engin.* 56: 231-32. 1919
- chlorination of swimming pool water. (bib) [R. F. Heath] *Canad. Engin.* Aug. 28, 1928
- chlorination of swimming pool water. [W. D. Stovall and M. S. Nichols] *Am. J. Pub. Health*. June 1923
- chlorination of water. [L. T. Le G. Burley] *Baths & Bath Engin.* March 1938
- chlorination of water. [S. Lebedukha] *Gig. i sotsialist. zdravookh.* (nos.2-3) 1:24-28. 1932
- chlorination of water. (il) [Joseph Race] \$1.50 158p Wiley. 1918
- chlorination of water. [R. Roldán y Guerrera] *Bol. de farm. mil.* March 1931
- chlorine and ammonia control apparatus. *Baths & Bath Engin.* Nov. 1937
- chlorine and ammonia in water purification. *Am. City*. Jan. 1938
- chlorine and copper in eradication of chironomidae. [W. Buchmann] *Zentralbl. f. Gesundheit. u. Stadthyg.* June 1932
- chlorine control apparatus for water purification. (diags) [Wallace & Tiernan Company, Inc.] 63p *Wallace & Tiernan*. 1919
- chlorine in water purification. [George C. Bunker] *J. Am. Med. Assoc.* Jan. 5, 1929; *also Am. Phys. Educ. Rev.* April 1929
- chlorinization. [G. Nachtigall and P. Keim] *Techn. Gemeindeblatt*. March 5, 1928
- comparative bacteriologic studies on relative merits of combinations of copper or silver, in combination or singly with chlorine, for purification of water for bathing purposes. [A. Beck] *Arch. f. Hyg.* 109:177-88. 1932
- comparative hygienic value of disinfection of water in swimming pools by means of chlorine, chloramine and copper chloride. [J. Idzerda and J. H. Wildervanck] *Nederl. tijdschr. v. geneesk.* Nov. 11, 1933
- determination and estimation of residual chlorine. (bib) [A. E. Griffin] *Am. J. Pub. Health*. July 1936
- determination of urea in water and its decomposition by bacteria of chlorine; chlorine treatment of swimming pools. [H. Wette] *Arch. f. Hyg.* 101:222-33. 1929
- disinfection of swimming baths in tropics with chlorine and chloramin. [K. Holwerda] *Mededeel. v. d. dienst d. volksgezondh. in Nederl.-Indië.* 17: 357-82. 1928; *also Am. J. Pub. Health*. Sept. 1929
- disinfection of swimming baths with chlorine. [W. Karsten] *Med. Welt*. Aug. 25, 1928
- disinfection of water by chlorination. [F. Albornoz] *Rev. méd. del Rosario*. Nov. 1934
- disinfection with chlorine gas. [F. Puglher] *Igiene mod.* Aug.-Sept. 1927
- dual protection by chlorination of mill water used in the Ford range plant. *Am. City*. Sept. 1936
- efficiency of the ammonia-chlorine process. [A. E. Griffin] *J. Am. Water Works Assoc.* Nov. 1934
- experimental studies of water purification; prechlorination in relation to efficiency of water filtration processes. [Harold W. Streeter and C. T. Wright] *Pub. Health Rep.* Dec. 19, 1930
- factors involved in use of chloramines for swimming pool disinfection. [A. H. Fletcher, A. E. Clark and E. C. Link] *Am. J. Pub. Health*. Dec. 1933; *also Beach & Pool*. April-May 1934. 1934; *reprint* 15c *Am. Pub. Health Assoc.*
- hygiene of chlorinated water. [E. Remy] *Arch. f. Hyg.* April 1934
- hygienic supervision of purification of water by use of chlorine, silver and copper combinations. [A. Beck] *Arch. f. Hyg.* 109:189-98. 1932
- hypo-chlorination of water. [Walter L. Savell] *Free. Mathieson Alkali Wks.* 1934
- hypochlorite feeding device for water purification. [F. R. Shaw, R. W. Kehr and E. T. Matthews] *Am. J. Pub. Health*. Oct. 1933
- importance of ammonia for capacity of chlorine to unite with preammonized water. [M. L. Koschkin and E. M. Spektor] *Ztschr. f. Hyg. u. Infektionskr.* 117:742-51. 1936
- is germ chlorination fatal? [D. W. Horn] *Hahnemannian M.* Oct. 1932
- latest analysis of the ammonia-chlorine water treatment. [E. V. Zellers] *Beach & Pool*. Jan. 1938
- master instruction book for Wallace & Tiernan apparatus. (il, plates, diags) [Wallace & Tiernan Company, Inc.] *Loose-leaf. Wallace & Tiernan*. 1924
- methods respecting chlorination of water supplies. [J. Van Benschoten] *Pub. Health J.* Nov. 1927
- minimal 'chlorine death points' of bacteria. [F. O. Tonney, F. E. Greer and D. V. M. Danforth] *Swim. Pool World*. March 1932
- modern pH and chlorine control. [W. A. Taylor & Company, Inc.] *Free. Taylor & Co.* 1935

- new chlorine preparations. [W. E. Hilgers] *Gesundh.-Ing.* March 24, 1928
- orthotolidine reagent for free chlorine in water. [E. J. Theriault] *Pub. Health Rep.* March 11, 1927
- oxidation potential concept of chlorination. [F. C. Schmelkes] *Am. J. Pub. Health.* March 1933
- practical aspects of handling chlorine. [C. F. Bingham] *Baths & Bath Engin.* July 1936
- practical method for chlorination of water at bathing beaches. [W. P. Baker and P. E. McNabb] *J. Am. Assoc. Hyg. & Baths.* April 1924
- precautions needed in the ammonia-chlorine treatment of swimming pools. [L. L. Jenne and H. R. Welsford] *Indust. & Engin. Chem.* Jan. 1931
- preliminary communication on use of liquid chlorine in swimming pools. [Arthur M. Buswell] *Am. Phys. Educ. Rev.* June 1913
- purification by chlorine gas. [G. Lutz] *Ztschr. f. Hyg. u. Infektionskr.* Feb. 1927
- purification of swimming bath water by the chloramine process. *Baths & Bath Engin.* Dec. 1937
- recent developments in chlorination. [Francis D. West] *J. New England Water Works Assoc.* June 1931
- recording chlorinator. *Baths & Bath Engin.* April 1938
- recording chlorine flow. *Baths & Bath Engin.* April 1938
- residual chlorine and bacterial content of swimming pools. [E. B. Buchanan and R. G. Perkins] *J. Am. Water Works Assoc.* April 1926
- rôle of ammonia in purification of water. [C. H. H. Harold] *J. Roy. San. Inst.* March 1928
- safety measures for handling chlorine. *Am. City.* Dec. 1937
- significance of equal distribution of chlorine in reservoir water of bathing institutions. [G. Elkeles] *Gesundh.-Ing.* 49:151. 1926
- sterilisation of swimming bath water; modern chlorination technique. *Swim. Times.* May 1934
- swimming pool water sterilisation by chloramine. *Swim. Times.* June 1934
- temporary, rapid method of chlorination. [J. Salmon] *Ann. d'hyg.* Dec. 1930
- treatment of water with chlorine. [Joseph Race] 22p The Author. 1912
- use of chlorine to sterilize water. *Chem. Indust.* April 10, 1925
- variation, according to duration of stay in water, of sensitivity of colon bacilli to hypochlorites. [L. Boyer and J. Boiron] *Compt. rend. Soc. de biol.* Dec. 11, 1931
- water chlorination. [E. D. Rich and E. E. Waterman] *Michigan State Dept. Pub. Health.* 1918
- water sterilization by chlorine gas at Guildford. *Chem. Age.* Aug. 25, 1928
- water treatment with chlorinated copper. (il, plan) [A. C. Decker and H. G. Menke] *Am. J. Pub. Health.* April 1930
- CHLORINE-AMMONIA PROCESS.** See *Water Purification, chlorination and chlorine-ammonia process*
- CIRCULATION OF WATER.** See *Water Purification, filtration and recirculation*
- COMPARISON OF METHODS,** efficiency of processes. *Pub. Health Rep.* Oct. 21, 1927
- for disinfecting swimming pools. [W. A. Manheimer] *Am. Phys. Educ. Rev.* Jan. 1917; *also J. Infect. Dis.* Jan. 1917
- methods of water purification. *Am. City.* Oct. 1912
- modern methods of water purification. [J. Don and J. Chisholm] \$4.20 1910; \$5.75 Longmans. 1913. *Review Nature Mag.* June 22, 1911
- modern systems of water purification. [W. Clemence] *Engin. Mag.* April 1911
- new methods of the sterilization of swimming pool water. (diag) [H. R. Austin] *Swim. Pool Data & Ref. Ann.* 6:50-54. 1938
A verbatim report of the 1937 meeting, and supplementary discussion session, of the National Association of Bath Superintendents, Inc. (England).
- new methods of water treatment. [E. Leighton-Holmes] *Baths & Bath Engin.* April 1938
- of American, Australian and English purification systems. [M. J. Martin] *Swim. Pool Data & Ref. Ann.* 4:47. 1936
- sterilisation of swimming bath water: a review of methods. [Thomas E. Mogg] *Baths & Bath Engin.* May 1937
- studies of the efficiency of water purification processes. [Harold W. Streeter] *Gov. Printing Off.* 1927
- study of the efficiency of certain methods for the sanitary control of swimming pools. [H. W. Clark and S. DeM. Gage] *Massachusetts State Board Health.* 1914
- CONFERENCES.** See also *Conferences*
- conference on water purification. [Ohio State Department of Health] *Ohio State Dept. Health.* 1927
- second annual report of Ohio Conference on Water Purification, held at Columbus November 16-18, 1922. [Ohio State Department of Health] *Ohio State Dept. Health.* 1923
- COPPER IN.** See also *Water Purification, chlorides and hypochlorites in*
- comparative bacteriologic studies on relative merits of combinations of copper or silver, in combination or singly with chlorine, for purification of water for bathing purposes. [A. Beck] *Arch. f. Hyg.* 109:177-88. 1932

Water Purification—Continued**COPPER IN—Continued**

- copper as an algicide and disinfectant in water supplies. [George T. Moore and Karl F. Kellerman] 55p (U.S. Dept. of Agriculture, Bureau of Plant Industry, Bulletin no. 76). Gov. Printing Off. 1905
- copper sulphate as a water purifier. Am. Catholic Quart. Rev. Jan. 1905
- copper sulphate in swimming pools. [S. J. Thomas] J. Am. Med. Assoc. 65:1104. 1915
- dangers of copper as a water purifier. [Albert Robin] Philadelphia Pub. Led. Sept. 27, 1904; *reprint* 4p Philadelphia, Pa. 1904(?)
- hygienic supervision of purification of water by use of chlorine, silver and copper combinations. [A. Beck] Arch. f. Hyg. 109:189-98. 1932
- silver chloride combined with copper chloride treatment of swimming pools. [W. Olszewski] Gesundh.-Ing. Nov. 8, 1930
- use of copper and silver for destruction of micro-organisms and macro-organisms; preliminary report. [H. Ivecovic] Ztschr. f. Gesundtech. u. Städtehyg. June 1932
- use of copper sulfate in swimming pools. [F. R. Shaw] J. Am. Med. Assoc. June 13, 1931
- use of copper sulphate in the purification of swimming pools. [S. J. Thomas] J. Indust. & Engin. Chem. 7:496-99. 1915
- DUTCH SYSTEM**, swimming bath water purification; Dutch system introduced into this country. Baths & Bath Engin. Aug. 1936
- ELECTRICAL**, [T. A. Starkey] J. Am. Med. Assoc. March 1916
- application of new method of purification of water by electricity. [Z. Bohdanowicz] Med. doświadcz. i spol. 14:824-26. 1932
- purification of water by electricity. [Heilmann] Gesundh.-Ing. March 2, 1929
- purification of water by electricity. [W. Karbowski] Med. doświadcz. i spol. 14:823. 1932
- swimming baths. Use of electrolytic fluid in swimming baths. Sc. Am. Oct. 30, 1906
- water is purified electrically. (il) Sc. Am. Jan. 1932
- water purification by electroosmosis. [A. S. Behrman] Indust. & Engin. Chem. Nov. 1927
- ELIMINATION OF TASTE AND ODOR**. See Water Purification, taste and odor elimination
- EQUIPMENT FOR DISTRIBUTING CHEMICALS**, calcium hypochlorite for Lyster bags. [E. M. Sleger] U.S. Nav. M. Bull. Jan. 1927

—treatment of swimming pool water: specially designed craft for distributing chemicals. Baths & Bath Engin. Dec. 1936

—Wallace and Tiernan "chloro-boat." Engin. & Contract. June 10, 1925

EXPERIMENTAL STUDIES ON, experimental studies of natural purification in polluted waters. (il, tables, diagrs) [U.S. Public Health Service] Gov. Printing Off. 1929

—experimental studies of water purification. (il, plates, tables, diagrs) [U.S. Public Health Service] Gov. Printing Off. 1926-33

—experimental studies of water purification; prechlorination in relation to efficiency of water filtration processes. [Harold W. Streeter and C. T. Wright] Pub. Health Rep. Dec. 19, 1930

—experimental studies of water purification; preliminary review of results of primary experiments. (chart) [Harold W. Streeter] Pub. Health Rep. Oct. 1, 1926

FILTER BEDS. See also Water Purification, filtration and recirculation; Water Purification, plants

—are filtering beds correctly constructed? [P. F. Bussman] Sc. Am. Feb. 6, 1909

—care and renewal. [Charles F. Thomas] Swim. Pool Data & Ref. Ann. 5:73. 1937

—proper size of sand for rapid sand filters. [W. H. Dittoe] Am. J. Pub. Health. Jan. 1922

—specifications for filter sand and gravel. Am. City. April 1929

FILTERS. See Water Purification, filtration and recirculation; Water Purification, plants

FILTRATION AND RECIRCULATION. See also Pools and Bathing Places, Construction of, water purification plants; Pools and Bathing Places, Operation of; Pools and Bathing Places, Sanitation of

—agents of filtration. [H. Soyer] Nature. Nov. 1, 1932

—automatic pumping. [W. W. Fyte] \$3 Lippincott. 1922

—Celite book; a manual dealing with vital points in the development of our industry and outlining the fields which can be served by our products and our organization. [Celite Products Company] 263p Celite Products Co. 1924

—circulation of water in bathing pools; extraction of impurities at different strata. Baths & Bath Engin. July 1936

—continuous filtration of bath water of swimming baths. [T. Thomas] Domest. Engin. Jan. 1924

—early experiments on ultra-filtration. [E. Hatschek] Nature Mag. Oct. 8, 1927

- effectiveness of filtration in removing from water, and of chlorine in killing, the causative organism of amoebic dysentery. (il, tables) [Bertha Kaplan Spector, John R. Baylis and Oscar Gullans] 16p Gov. Printing Off. 1934
- effects of manganese on filter operation. (table) [L. V. Carpenter] Am. J. Pub. Health. Oct. 1931
- efficiency of American process. [J. M. Caird] J. Am. Water Works Assoc. p371. 1908
- electro-ultra-filtration apparatus. (diag) [E. J. Czarnetsky] Sc. (new series). Dec. 27, 1935
- experiences of working with regenerated water in the Frankwiter indoor swimming pool. [M. Nowotny] Gesundh.-Ing. 47:401-07. 1924
- filtration. [T. R. Willaston] 85c Pitman. 1922
- filtration and filters: an outline of the art; with section on the mathematical aspects of filtration by A. J. V. Underwood. [Joseph Allen Pickard] 45s. 488p Benn. 1929; also \$20 Indust. Book Co.
- filtration of water. [F. B. Leopold] Pittsburgh Mfg. Co. 1906
- filtration plant at Redcar baths. Engin. Aug. 28, 1931
- filtration through sand coated with silver. [V. A. Ugloff, A. A. Miller and T. A. Kar-Kadinovsky] Voy.-med. J. (no.1) 2:5-11. 1931
- horizontal filtration. [F. Dienert] Ann. d'hyg. Feb. 1931
- loading of filter plants. [Harold W. Streeter] 5c 13p Gov. Printing Off. 1922
- mechanical filtration plant performance. [A. Wolman] Free. The Author. 1916
- raising rate of filtration of slow sand filter. [M. Sardjito and W. A. L. Bakhoven] Geneesk. tijdschr. v. Nederl.-Indië. Oct. 15, 1931
- recirculation and refiltration. [H. W. Hosford] Swim. Pool Data & Ref. Ann. 3:34-35. 1935
- relative merits of slow sand and mechanical filtration. [District of Columbia Medical Society] 70c Gov. Printing Off. 1900
- role of circulation in bath water purification; an analysis and a discovery. [John A. Davenport] Baths & Bath Engin. May 1938
- sand filtration and purification of chalk waters. [A. T. Nankivell] Am. J. Hyg. Aug. 5, 1911
- sediment and impurities in supposedly filtered water. [A. A. Egger] Profilak. med. July-Aug. 1932
- settling of precipitates by centrifugation. [W. O. Walker] School Sc. & Math. Feb. 1922
- special circulation for a particular case: regurgitation to prevent the "rooting" of algae. [E. Copeland Snelgrove] Baths & Bath Engin. Nov. 1937
- studies on filtration. [James W. Bain and A. E. Wigle] 25c 8p Univ. Toronto. 1914
- study of a swimming pool with a return purification system. [J. F. Norton] Am. J. Pub. Health. Nov. 1914
- study of the behavior of rapid sand filters subjected to the high-velocity method of washing. [Joseph Wilton Ellms and J. S. Gettrust] Am. Soc. Civil Engin. 1916
- text book of filtration; industrial filtration and the various types of filters used. (il) [Charles L. Bryden and George D. Dickey] \$5.50 376p Chem. Pub. Co. 1923
- views on filtration speeds. [F. Whitham] Baths & Bath Engin. Aug. 1936
- water filtration. [E. D. Rich] Michigan State Dept. Pub. Health. 1917
- water filtration from the sanitary standpoint. [R. G. Perkins] Cleveland M. J. Feb. 1912
- water for swimming baths: purification and reutilisation. Municipal Engin. March 17, 1932

HISTORY. See also **History**

- ancient methods of filtration. [Henry Carrington Bolton] Pop. Sc. Feb. 1880; *reprint* 8p Appleton. 1880

HYPOCHLORITES IN. See **Water Purification, chlorides and hypochlorites in**

METHODS. See **Water Purification, comparison of methods**

ODOR ELIMINATION. See **Water Purification, taste and odor elimination**

OF SUPPLY, proper methods respecting chlorination of water supplies. [J. Van Benschoten] Pub. Health J. Nov. 1927

- safe water supply for your pool—how to obtain and maintain it. Beach & Pool. March 1931
- sanitation of water supplies. (il, diag) [Murray Philip Horwood] \$3 181p Thomas. 1932
- treatment of municipal water supplies. New Jersey State Dept. Health. Jan. 1924
- water supply and purification. [W. H. Dettier] Am. J. Pub. Health. July 1927
- water supply and purification. [G. W. Fuller] Am. J. Pub. Health. April 1925
- water supply and treatment. [Charles Potter Hoover] 1st ed. 1934; 2nd ed. Free. 145p Nat. Lime Assoc. 1936

BIBLIOGRAPHY OF SWIMMING

Water Purification—Continued
OF SUPPLY—Continued

- water supply control: 1. the protection of water supplies from pollution; 2. the operation of water purification plants; 3. laboratory control. (il, tables, diag) [New York State Department of Health] 141p New York State Dept. Health. 1933
- OZONE FOR, apparatus for the sterilization of water by ozone. [G. Erlwein] Sc. Am. (Supp). April 14, 1906
- application of ozone to purification of pools. [W. A. Manheimer] Pub. Health Rep. March 1, 1918
- application of ozone to water purification. [Russell Spaulding] 45p New York State Dept. Health. 1913
- further studies on application of ozone to purification of pools. [W. A. Manheimer] Med. Rec. Nov. 12, 1921
- making water pure by ozonation. Rev. of Rev. Nov. 1906
- ozone in pool purification. [W. A. Manheimer] Boston M. & S. J. Nov. 21, 1918
- ozone—its many uses in hygiene and industry. [Pitts and Kitts Manufacturing and Supply Company] Pitts & Kitts
- ozone method of sterilizing pools. [E. Williams] Domest. Engin. March 19, 1927
- ozone's advance. [H. L. Branigan] Heat & Ventil. June 1929
- ozonation of water. [George A. Soper] J. New England Water Works Assoc.; *reprint* 19p New London, Conn. The Author. 1900(?)
- purification by ozone process. [P. Niccoli] Med. Ital. Dec. 1926
- purification of water by ozone. [M. L. Borne] Engin. Mag. July 1909
- reliability of ozone in swimming pool disinfection. [W. A. Manheimer] J. Am. Med. Assoc. March 16, 1918; *also* J. Am. Assoc. Hyg. & Baths. 2 and 3:56-59. 1921
- sterilization of water by ozone: "S.A." plant for swimming baths. Baths & Bath Engin. Feb. 1938
- treating swimming pools with ozone. [W. A. Manheimer] Am. J. Pub. Health. Feb. 1919
- use of ozone for bathing places. [Frank E. Hartman] J. Am. Assoc. Hyg. & Baths. Sept. 1929
- water purification by ozone. [C. A. Hyatt] Beach & Pool. July 1929
- PLANTS. See also Pools and Bathing Places, Construction of, water purification plants
- census of municipal water purification plants in the United States, 1930-1931. [American Water Works Association] 146p Am. Water Works Assoc. 1933
- checking the efficiency of purification plants. Baths & Bath Engin. April 1937
- experimental studies of water purification; description of experimental water-purification plant. (il) [F. J. Moss] Pub. Health Rep. Oct. 1, 1926
- filter furnishing sterile water even in tropical temperature. [L. K. Wolff] Centralbl. f. Bakt. Jan. 3, 1927
- filtering apparatus for swimming baths. [J. Russel] J. Roy. Army M. Corps. March 1937; *also* Baths & Bath Engin. April 1937
- institutional and other small water-treatment plants to meet unusual conditions. (plan, diag) [F. R. Shaw] Am. J. Pub. Health. May 1937
- maintenance of a swimming bath water purification plant. [Cecil Mitchell] Baths & Bath Engin. Dec. 1937
- modern filtration plant. (il) [J. F. Fernald] Sc. Am. July 29, 1905
- new type of filter. (il) Sc. Am. May 23, 1908
- purification of water by means of darnal filter. [L. H. Reichelderfer] Mil. Surg. Sept. 1912
- recirculating systems; operation of a swimming pool circulating system—use of charts—discussion of undesirable conditions and how to remedy them. [Edward P. Schinman] Beach & Pool. June 1932
- recommended procedure for conditioning filters with H T H. [Mathieson Alkali Works, Inc.] Free. Mathieson Alkali Wks. 1936
- sterilizing filter. Sc. Am. (Supp). Aug. 22, 1903
- swimming baths in Johannesburg; plants installed for purification and sterilization; pressure filters. [E. J. Hamlin] Baths & Bath Engin. Aug. 1936
- swimming pools and water distribution system. [C. A. Hechmer] J. Am. Water Works Assoc. Aug. 1931
- water filtration works. [J. H. Fuertes] \$2.50 Wiley. 1901
- water purification equipment. Baths & Bath Engin. Feb. 1938
- water purification plant at the Schubert swimming bath, Montreal. [G. D. O'Connor] Canad. Engin. Aug. 23, 1932
- water purification plants and their operation. [M. F. Stein] 1st ed. 1915; 2nd ed. 1919; 3rd ed. \$3 Wiley. 1926
- water softening plants, gravity filters, pressure filters; for municipal, industrial and mechanical purposes: embracing all the latest improvements in the art of purifying water. [Greer Filter Company] 47p Greer Filter Co. 1904
- RECIRCULATION. See Water Purification, filtration and recirculation
- SILVER IN, application of principle of oligodynamic action of silver. [F. Lieb] Arch. f. Hyg. Nov. 1937

- comparative bacteriologic studies on relative merits of combinations of copper or silver, in combination or singly with chlorine, for purification of water for bathing purposes. [A. Beck] *Arch. f. Hyg.* 109:177-88. 1932
- filtration through sand coated with silver. [V. A. Uglow, A. A. Miller and T. A. Kar-Kadinovskiy] *Voy.-med. j. (no.1)* 2:5-11. 1931
- hygienic supervision of purification of water by use of chlorine, silver and copper combinations. [A. Beck] *Arch. f. Hyg.* 109:189-98. 1932
- silver chloride combined with copper chloride treatment of swimming pools. [W. Olszewski] *Gesundh.-Ing.* Nov. 8, 1930
- treatment of water with silver. [J. Gibbard] *Am. City.* Oct. 1937
- use of copper and silver for destruction of micro-organisms and macro-organisms; preliminary report. [H. Ivecovic] *Ztschr. f. Gesundhtech. u. Städtehyg.* June 1932
- STEAM FOR, sterilizing swimming pools with live steam. (diag) [Frank Broom] *Lit. Dig.* May 27, 1933
- STUDIES ON. See Water Purification, experimental studies on
- SULPHATE OF IRON IN, manual of American Steel and Wire Company's process of water purification with sulphate of iron. [American Steel and Wire Company] 152p *Am. Steel & Wire Co.* 1916
- TASTE AND ODOR ELIMINATION, elimination of taste and odor in water. [John R. Baylis] \$5 392p *McGraw-Hill.* 1935
- ULTRA VIOLET RAY PROCESS, bactericidal action of water treated by ultra violet rays. (diags) [W. F. Walker and R. W. Pyrer] *Am. J. Pub. Health.* Aug. 1921
- effects of ultraviolet rays. [L. Gedda, G. De Mattia and E. Vigliani] *Arch. per le sc. med.* Oct. 1931
- question of violet rays. [C. A. Hyatt] *Beach & Pool.* Feb. 1929
- residual germicidal action of water treated with ultra violet rays. [E. C. Berndt] *J. Am. Assoc. Hyg. & Baths.* April 1927
- sterilization of water in swimming pools by ultra violet rays. *Am. City.* Sept. 1924
- sterilizing the water of swimming pools with ultra violet rays. [M. Von Recklunghansen] *Sc. Am.* Aug. 1915
- treatment of swimming pool water with ultra-violet rays. *Am. Phys. Educ. Rev.* Nov. 1922
- treatment of swimming pool water with ultra violet rays. (il, diags) [W. F. Walker] *Am. J. Pub. Health.* April 1922; also *Am. Phys. Educ. Rev.* Nov. 1922; also *Nation's Health.* July 15, 1925
- ultra violet ray sterilizer. *Am. Phys. Educ. Rev.* Feb. 1917
- ultra-violet ray system of water purification. [E. C. Berndt] *Beach & Pool.* Aug. 1927
- ultra-violet rays in water purification. *Pub. Health. Rep.* Nov. 1919
- ultra-violet rays in water purification. Some abstracts from the literature on the sterilization of water by the use of ultra-violet rays. [U.S. Public Health Service] Pa. 5c 6p Gov. Printing Off. 1920
- Water Soccer. See Polo
- Water Softening
 - See also Pools and Bathing Places, Operation of; Pools and Bathing Places, Sanitation of; Water Purification
 - [William Henry Booth] \$3.50 308p *Constable.* 1906
 - [Harold Collet] 169p *E. & F. N. Spon;* Spon. 1896. 1908
 - hard water, an unnecessary evil. [E. Eldridge] *Michigan State Health Bull.* Jan. 1925
 - selling water softening to the public. [C. A. Smith] *Am. City.* April 1936
 - water-softeners. [G. M. Boumphrey] *Spectat.* March 19, 1932
 - why water should be softened. [Charles Potter Hoover] *Am. City.* Sept. 1935
- BASE EXCHANGE MATERIAL AND EQUIPMENT for, base exchange material and water softening plant. *Baths & Bath Engin.* Feb. 1938
- base exchange water softening control equipment. *Baths & Bath Engin.* Feb. 1938
- Costs. See also Pools and Bathing Places, Financial Aspects of, construction and operation
 - water-softening costs as compared to regular treatment. (tables) [F. K. Vance] *Am. City.* May 1936
- MECHANICAL EQUIPMENT FOR, mechanical water softener. (il) *Sc. Am. (Supp).* March 16, 1912
- ZEOLITE PROCESS, water softening: the base-exchange or zeolite process. Summary of existing knowledge. [Austin Raymond Martin] 20p *His Majesty's Stat. Off.* 1929
- zeolite water treatment in a large central heating plant. (il, diags) [Alfred H. White, J. H. Walker, Everett P. Partridge and Leo F. Collins] 27p *Univ. Michigan.* 1927
- Water Supply. See Pools and Bathing Places, Operation of, water supply; Water Purification, of supply
- Waterman, E. E. See Rich, E. D. jt. auth.
- Watson, Alfred E. T. (ed). *Year's sport: a review of British sports and pastimes for the year 1885. (The Badminton Library).* 845p *Longmans.* 1885
- Swimming, an account of the year's races,* p470-4.

Watson, H. Friend in need; or, The complete art of swimming also resuscitation, recommended by the Humane Society of London, to which is added A preventive against the cramp, a statement, correctly made, of the many lives lost in the River Eden and other rivers in Cumberland from 1798 to the present time. 1s. 34p Jollie. 1819

Wave Device. See Pools and Bathing Places, Equipment for, wave device

Wave Riding. See Surf Swimming

Wayman, Agnes. Education through physical education. \$4 378p Lea & Febiger. 1925

Wayne, S. W. Real swimmers seldom drown. Am. City. Aug. 1933

Webb, Matthew. Art of swimming. 2s. 6d. 111p 1875; 2nd issue. Ward, Lock & Tyler. 1877(?); Ward, Lock. 1876(?)

Captain Webb's Swimming instructor. 64p Street & Smith. 1891

Webber. See Wolfer, jt. auth.

Weber. (tr). On the curative effects of baths and water. 1875

Weber, Karl B. Design, cost, equipment and other details of Pennsylvania's most modern pool—North Park Pool, County of Allegheny. (il) Swim. Pool Data & Ref. Ann. 6:26-29. 1938

Webster, Frederick A. M. Athletics for today. \$5 368p Warne. 1929

Athletics of today for women. 10s. 6d.; \$4.50 278p Warne. 1930

Real meaning of the Empire Games. Swim. Times. Aug. 1934

Webster, Maurice. Design, cost, income of a country club pool. Swim. Pool Data & Ref. Ann. 4:55-57. 1936

Weerth, Ernst aus'm. Das Bad der roemischen Villa bei Allenz. 1861. 20p Bonn, Germany
"Gedr. auf Kosten des Vereins. (Verein von Altertumsfreunden im Rheinlande, Bonn. Festprogramm zu Winckelmanns Geburtstage). 1861."

Weese, H. Über eine einfache Beatmungspumpe mit aktivem In- und Exspirium. Arch. f. exper. Path. u. Pharmakol. 135:210-12. 1928

Wegener, A. B. Plunging from the spring-board. Young Men's Era. no.32:13. 1894

Resuscitation by machine. Phys. Train. Sept. 1915

Swimming movements. Phys. Train. April 1909

Water baseball. Phys. Train. Nov. 1913

Water tactics. Phys. Train. Sept. 1909

Wegener, C. R. Hygienic problems of swimming pools. Nord. hyg. tidskr. 16:137-50. 1935

Weidman, F. D. Ringworm fungi. Pennsylvania M. J. July 1931

Weight, Influence of Swimming on. See Physiological Aspects, body weight and temperature

Weil's Disease. See Diseases, Weil's

Weissmuller, Johnny. Smash your record. Am. Boy. Feb. 1930

Swim as easily as you walk. Free. 28p B.V.D. 1930

—**and Bush, Clarence A.** My methods of training. (il) Sat. Eve. Post. March 8 and 29, 1930

Swimming the American crawl. \$2.50 190p Houghton Mifflin; 10s. 6d. McClelland; 3s. 6d. Putnam. 1930; \$1.25 McClelland. 1933

—analysis of the swimming of Borg and Weissmuller. Ath. J. March 1926

Welch, Robert L. Selling the idea of swimming. Beach & Pool. May 1937

Welded Steel Tanks. See Pools and Bathing Places, Construction of, steel for

Wellington, Guy. Effect of swimming upon the heart rate, weight, and body temperature. Thesis. Springfield Col. 1914

Wells, J. Surf bathing. Outing. Aug. 1900

Welsford, H. R. See Jenne, L. L. jt. auth.

Welsh Amateur Swimming Association
—Welsh Amateur Swimming Association. [R. P. Green] Swim. Times. April 1936

Welter, Roy. Algae and its control. Beach & Pool. April 1931

Wendel, W. Über Unterwassermassage und Unterwassergymnastik. Zentralbl. f. Chir. Jan. 11, 1936

Werchavdt, W. and Ulsamer, O. Einige Gesichtspunkte über den Betrieb von Hallenschwimmbäden. Gesundh.-Ing. 48:283-85. 1925

—**and Ulsamer, O.** Weitere Gesichtspunkte über den Betrieb von Hallenschwimmbäden. Gesundh.-Ing. 49: 485-88. 1926

Werkman, C. H. See Levine, Max, jt. auth.

Werner, A. Vom Ertrinkungstod und seinem Zusammenhang mit dem Ohr. Schweiz. med. Wchnschr. May 12, 1934

Werner, Elmer. See Chenoweth, L. B. jt. auth.

West, Francis D. Chemistry of the swimming pool. Swim. Pool World. April-May 1932

Recent developments in chlorination. J. New England Water Works Assoc. June 1931

West Virginia State Department of Health. Recreational sanitation: public swimming pools. Free, 32p West Virginia State Dept. Health. 1927

Westenrik, N. Zur Frage der Veränderungen des Blutes und der Blutzirkulation beim Wettschwimmen. Ztschr. f. klin. Med. 106:178-82. 1927

Weston, Kenneth R. Influence of the butterfly breast stroke on the subcutaneous inguinal ring, or external abdominal ring. Beach & Pool. June 1936

Weston, R. S. Combined open air swimming pool and hockey rink at Milton, Massachusetts. Am. City. Feb. 1921

Wetmore, W. O. Community swimming pool. (il) *Hygeia*. April 1931

Wette, H. Über den Nachweis und die Bestimmung des Harnstoffs im Wasser, sowie den Abbau desselben durch Bakterien und Chlor. Zugleich ein Beitrag zur Frage der Chlorbehandlung von Schwimmbadewasser. Arch. f. Hyg. 101:222-33. 1929

Whalen, Grover A. See Andrews, Earle, jt. auth.

Wharton, M. Only municipal grappler. Sunset. May 1924

Wheeler, Roger W. Drowning prevention survey. Beach & Pool. May 1936

Life-saving project. Beach & Pool. Feb. 1937

Wheeler, T. D. Lowering the high cost of swimming; heating water directly from the boilers. Heat & Ventil. May 1927

Whichcord, John. See Ashpitel, Arthur, jt. auth.

Whipple, M. C. Laboratory control of a modern swimming pool. Am. School & Univ. p212-14. 1936

—See Bunker, J. W. M. jt. auth.

Whitaker, T. G. Importance of form in swimming. Mind & Body. Jan. 1914

Water basketball—new aquatic game. Mind & Body. March 1914

White, Albert C.; Brandsten, Ernst M.; and Desjardins, Pete. International diving chart. Chart. \$1 Van Arsdale-Harris. 1932

White, Alfred H.; Walker, J. H.; Partridge, Everett P.; and Collins, Leo F. Zeolite water treatment in a large central heating plant. (il, diags) 27p Univ. Michigan. 1927

White, C. See Paynter, H. S. jt. auth.

White, C. H., committee member. See Chemical Society of Washington

White, E. J. Operation of high school swimming pools. Beach & Pool. Aug.-Sept. 1932

White, R. P. Note on fungus disease in athletes. Brit. J. Dermat. Oct. 1932

Whitford, H. G. Swimming for everyone. (il) Cloth \$1.50 Pa. \$1 60p Freeport. 1935

Whitham, F. Some views on filtration speeds. Baths & Bath Engin. Aug. 1936

Whittacker, R. M. New method of algae control. Swim. Pool Data & Ref. Ann. 3:28-29. 1935

Whittaker, Harold A. Investigation of Lake Calhoun public baths, Minneapolis. May to November, 1917. J. Minnesota M. A. 38:98-105. 1918

Investigation of swimming pools at the University of Minnesota. J. Am. Med. Assoc. June 22, 1918

Sanitary suggestions regarding the location, construction and management of public bath beaches. Journal-Lancet. 38:349. 1918

Whittle, E. H. Public baths as poison gas decontamination centres. Baths & Bath Engin. May 1938

Wiedler, L. M. Modern methods in diagnosis and treatment of common fungous diseases of skin. Wisconsin M. J. April 1933

Wiedon, W. S. Design and construction of the smaller outside swimming pool. Land. Architect. Oct. 1932

Wielert, Henry, jr. Heart rate in relation to swimming. Thesis. Springfield Col. 1914

Wiersbitzki, Otto von Corvin. Kurzgefasste und grundliche Anweisung zu Erlernung der Schwimmkunst. 3rd ed. 88p Leipzig, Germany. 1842

Wiesel, F. See Putzke, Gust. jt. auth.

Wiessner, Kurt. Natürlicher Schwimmunterricht. 199p Österreich. Bundesv. f. Unterric., Wissensch. u. Kunst. 1929

Wieters, A. H. See Bierring, W. L. jt. auth.

Wiewiorowski. Six years of sport injuries. (il) Deutsche Ztschr. f. Chir. 196: 255-70. 1926

Wiggins, B. E. Water push ball. Mind & Body. May 1924

Wigle, A. E. See Bain, James W. jt. auth.

Wikulli, L. von. Eine neue Methode zur Bestimmung der Coli-Zahl in Wässern. Centralbl. f. Bakt. Nov. 22, 1927

Wilder, Emma Lucy. Inadequacies of the present program of physical education activities for girls to provide recreational interests for leisure time. Thesis. Harvard Univ. 1934

Wildervanck, J. H. See Idzerda, J. jt. auth.

Wilkinson, Frank and Forty, F. J. Swimming bath water purification from the public health standpoint, with special reference to plant and equipment and hygienic education. (il) 1st ed. 1929; 2nd ed. \$3.75; 12s. 6d. 264p Contractors' Rec. 1934

Wilkinson, G. See Wilkinson, L. S. jt. auth.

Wilkinson, L. S. and G. England is building outstanding pools. Beach & Pool. May 1934

Will, G. Private plunge is yours for the making. (il) Sunset. April 1935

Willard, Arthur Cutts. See Harding, Louis Allen, jt. auth.

Willaston, T. R. Filtration. 85c Pitman. 1922

Williams, E. Ozone method of sterilizing swimming pools. Domest. Engin. March 19, 1927

Williams, H. Swimming and diving. Boy's Own Mag. 8:354-57. 1862

BIBLIOGRAPHY OF SWIMMING

Williams, Henry Llewellyn. Adventurous life and daring exploits in England and America of Captain Matthew Webb. 1d. 8p Smith. 1883(?)

Art of boxing, swimming and gymnastics made easy. New York City. 1883
Published for the trade.

Williams, J. F. and Brownell, C. L. Administration of health and physical education. \$3 598p Saunders. 1934

—Health and physical education for public school administrators. Bur. Publications. 1930

—Dambach, J. I. and Schwendener, N. Methods in physical education. 1st ed. \$2.25 222p 1932; 2nd ed. 277p Saunders. 1937

—and Hughes, W. L. Athletics in education. (il) 1st ed. \$3 414p 1930; 2nd ed. rev. \$3.50 472p Saunders. 1936

—and Nixon, E. W. Athlete in the making. 258p Saunders. 1932

Williams, L. H. Home-made swimming pool. Country Life. Aug. 1910

Willis, Mairie M. Demonstration. Swim. Times. May 1936
Lesson. Swim. Times. Dec. 1935

Willson, Zilpha. History and development of water play. Thesis. Peabody Col.

Wilson, Charles T. Coordination tests of swimming. Thesis. Springfield Col. 1933. *Abstract* Res. Quart. Dec. 1934

Wilson, D. W. See Hooker, D. R. jt. auth.

Wilson, H. L. Municipal swimming pool in Johnstown. (diag) Am. City. June 1922

Wilson, T. Albert Rese has saved nearly 800 lives. Am. June 1924

Wilson, Walter. Pamphlet on progress and position of the corporation baths and washhouses at Glasgow. Glasgow, Scotland. 1892

Wilson, William. Bather's manual. Somers. 1883
Hints on swimming. 20p Somers. 1879; 19p Cricket Press. 1881

Popular lessons in swimming. 1d. 39p Hay, Nisbet. 1890

Swimming and life saving. Brigadier. June-Sept. 1901

Swimming, diving and how to save life. 2s. 142p Kerr & Richardson. 1876

Swimming instructor: a treatise on the arts of swimming and diving (il. with plates drawn from life, by Alexander Davidson) 150p Cox. 1883

Wilzback, C. A. Swimming and health. Assoc. News. July 1928

Wing, F. E. Popularization of a public bath-house. Charities. April 29, 1905

Wingert, H. Swimming on dry land. Suburb. Life. May 1910

Winmann, Nicolas. See Wynman, Nicolaus

Winsberg, Shirley. Swimming for college women. Thesis. Wellesley Col. 1938

Winslow, Charles Edward A. and Moxon, David. Bacterial pollution of bathing beach waters in New Haven harbor. Am. J. Hyg. May 1928
—See Prescott, Samuel Cate, jt. auth.

Winslow, J. C. Community bathing-beach in Aurora, Illinois. Am. City. May 1924
Saving 230,000,000 gallons of water per year. Beach & Pool. Nov. 1927

Winter, A. B. Enhancing the beauty of the pool. Beach & Pool. Dec. 1934

Winter, C. M. Princess Elaine's tournament. Beach & Pool. July 1934

Winter, Philipp. See Meisl, Willy, jt. auth.

Winter Swimming
See also Curricula; Mass Swimming
—all year activities for swimming pools.
[W. E. Longfellow] Beach & Pool. June 1931
—effects of outdoor bathing in winter.
[R. Huss] Nord. hyg. tidskr. 18:275-90. 1937
—Newport's winter surf bathers. Am. Swimmer. March 1923
—river and lake bathing in winter. [E. E. Faber] Ugesk. f. leger. June 13, 1918. *Abstract* Aug. 31, 1918
—winter sports in Hawaii. [H. Coffin] Golden Bk. Dec. 1930
—winter swimming. [H. R. Clarke] Swim. Times. Oct. 1934
—winter swimming in the Canary Islands. [Guy de Villepion] Swim. Times. Feb. 1937

Wirasmo, R. M. See Sardjito, M. jt. auth.

Wirth, T. Modern swimming hole. (il) Am. City. Sept. 1920

Wisby, H. Art of deep sea swimming. Country Life. July 1910
Learning to swim. Outing. July 1911

Wisconsin State Board of Health. Drowning and resuscitation; safety hints for campers. Wisconsin State Board Health. 1923
Wisconsin swimming pool and recreational bathing code. Free. 27p Wisconsin State Board Health. 1937

Wise, J. S. Human life in the balance. Beach & Pool. Oct. 1931

Wissing, E. Alkali reserve in athletes. Ztschr. f. d. ges. exper. Med. 49:63-70. 1926

Withington, Paul. Book of athletics (all athletic sports). Rev. \$2 Lothrop. 1922

Witte, Constance. Natans' gift to his people. Beach & Pool. April 1933
Sun commands: a swimming pageant. Beach & Pool. Feb. 1933

Wittich, A. Swimming is an important part of physical education. Beach & Pool. Jan. 1933

Wittner, Fred. Education in the water. Lit. Dig. March 17, 1934

Wolf, C. Das deutsche Volksbad. Gesundh.-Ing. 48:273-376. 1925

Wolfer and Webber. Die technischen Einrichtungen des neuen Schwimmbades in Stuttgart. *Gesundh.-Ing.* June 28, 1930

Wolff, L. K. Ueber ein auch bei tropischer Temperatur steriles Wasser lieferndes Filter. *Centralbl. f. Bakt.* Jan. 3, 1927

Wolff, Paul. Sport shots: more than 150 action photographs of the Eleventh Olympic Games. \$3 111p Morrow. 1937

Wolffe, Jabez. Swimming, short and long distance. Foulsham. Text-book of swimming. (il) 1s. 6d. 80p Link House

Wolfram, T. Purification and heating at the Lido. *Beach & Pool.* May 1931

Wolfstfeld, C. F. Future of ventilation. *Heat. & Ventil.* June 1927

Wolfson, Edward. Design of an outdoor swimming pool for the Ohio State University. Thesis. Ohio State Univ. 1937

Wolken, Alfred. Development of boys into future men through aquatics. *Beach & Pool.* March 1937

Play method of teaching swimming. *Beach & Pool.* July-Aug. 1936

Wolman, A. Standards of mechanical filtration plant performance. Free. The Author. 1916

Women. See Competition, for women and girls; Life Saving, for women; Recreational Swimming, games for girls; Teaching, women and girls

Women's Swimming Association

—Women's Swimming Association. [John Allen Krout] *In Annals of American Sport*, p217. (Pageant of America, v15) p217 Yale Univ. Press. 1929

Wood, C. R. Can my town afford a swimming pool; a revival of public swimming baths causes many cities to consider their installation; Lynchburg's (Va.) experience encouraging. *Kansas Municip.* May 1924

Every community of 5000 or more can afford a swimming pool. *Am. City.* June 1924

Wood, E. Swimming-hole. *McClure.* June 1903

Wood, E. H. Competitive aquatics; diving. *Am. Phys. Educ. Rev.* Jan. 1922

Hints for non-swimmers. *Mind & Body.* June 1922

Wood, J. B. Breast stroke controversy. *Swim. Times.* Dec. 1937

Strokes. *Swim. Times.* Sept. 1937

Wood, J. G. A. B. C. of swimming, being easy steps for self instruction. (Warne's Bijou Books). (col ilis) 6d. 95p Warne. 1868

Learning swimming in the sea and management of waves; conversational lessons. *Section (p103-22) from The Playground.* (Every Boy's Library). 266p Routledge. 1884

Man and the water. *Boy's Own Mag.* 1855(?)

Wood, J. G. (pseud). See Forrest, George

Wood, Kingsley. Physical recreation and exercise: an appeal from the Minister of Health. *Swim. Times.* Feb. 1937

Wood, M. T. Water sports as municipal recreation. *Nation's Health.* June 1923

Wood, R. C. Will Canada repeat? *Swim. Times.* Aug 1934

Wood, Samuel Wasden. National survey of the organization and administration of extracurricular activities in senior and junior high schools Thesis. Univ. Georgia. 1932

Wood, W. Life-savers of the Goodwin sands. *Harper's Mag.* Feb. 1912

Wood, William. Manual of physical exercises; comprising gymnastics, rowing, skating, fencing, cricket, calisthenics, sailing, swimming, sparring, baseball. Together with rules for training and sanitary suggestions. 1st ed. 316p 1867; 2nd ed. Harper. 1870

Woodbridge, William. Swimmer's practical manual of plain facts, and useful hints, especially adapted for the use of learners; with valuable rules and instructions on training for matches; also the precautions to be observed and measures to be adopted in rescuing persons when drowning. 40p Wade. 1864

Woodcock, B. Coordination exercises under water, in treatment of spastic paraparesis, following spine fracture. *Physiotherapy Rev.* Jan.-Feb. 1931

Wootton, A. S. Ocean pool at Ketsilano Beach, Vancouver. *Canad. Engin.* Dec. 1, 1931

Wootton, Carl. After four years: a note to the discouraged. *Swim. Times.* Feb. 1936

Fundamental faults. *Swim. Times.* April 1936. Dropping the elbow. May 1936. Faulty balance Oct. 1936. Overstraining to the catch. Dec. 1936. The arms must pull under the body. Aug.-Sept. 1935. The hand must enter the water before the forearm and the forearm before the elbow. Dec. 1935. The legs must not straddle. July 1936. The straddle and the drawn-up knee. Aug. 1936

Glamorous East: being reflections in the Olympic pool. *Swim. Times.* Feb. 1937

It can be done. *Swim. Times.* Sept. 1936

Racing plunge: a new aspect. *Swim. Times.* Dec. 1933

S.S. Brighton. *Swim. Times.* July 1934

Wootton, W. T. Spa treatment of arthritis. *South. Med. J.* Sept. 1937

World's Fair, Inc. See Andrews, Earle

World's Fair, New York, 1939. Aquatics and playgrounds features of World's Fair. [Earle Andrews and Grover A. Whalen] *Beach & Pool.* June 1937

World's Fair, San Francisco, 1939. Aquatic features to be part of San Francisco's Golden Gate International Exposition in 1939. [Charles F. Berry] Beach & Pool. Feb. 1938

Wright, C. T. See Streeter, Harold W. jt. auth.

Wright, J. W. and Hirst, R. V. Suggestions for the incorporation of medicated baths with municipal undertakings. (il) Baths & Bath Engin. June 1937

Wright, K. A. Gymnastics and diving. 6d. Swim. Times. 1934
Reprinted from an article in *The Swimming Times*.

Wright, Roscoe. Before and after. Beach & Pool. Nov. 1937

Wright, Wilhelmine G. Muscle training in the treatment of infantile paralysis. Boston M. & S. J. Dec. 23, 1927

Wulff, O. H. Swimming pool construction, equipment and maintenance. Thesis. Springfield Col. 1937

Wyk, F. R. See Häberlin, C. jt. auth.

Wyman, C. E. How to paint swimming pools with cement paint. Swim. Pool Data & Ref. Ann. 3:32-33. 1935

Wynman, Nicolaus (Nicolas). Colymbetes; sive, De arte natandi, dialogus et festivus et incundus lectu. 96p Ingolstadt, Bavaria. 1538
A copy is in the British Museum, one in the Bibliothèque Nationale and one in the library of Trinity College, Dublin. This is commonly believed to be the first book in the world on swimming.

Wynne, Shirley W. Swimming for health. WEAF. June 4, 1930

Wyoming State Board of Health. Regulations governing the construction and operation of public swimming pools. Wyoming State Board Health. 1938

Y

Y.M.C.A.

- brief outline of swimming program of the Victor Lawson "Y." [Marjorie Everson] Beach & Pool. April 1936
- distribution of nationally authorized examiners in the United States. [Henry F. Kallenberg] Phys. Train. April 1927
- first International Y.M.C.A. Athletic Championships, Endrup, Denmark, July 10-17, 1927. [Louis C. Schroeder] Am. Phys. Educ. Rev. May 1928
- first National Y.M.C.A. Aquatic Conference. [T. K. Cureton, jr.] Beach & Pool. June 1937
- first National Y.M.C.A. Aquatic Conference. [Lawson Department Y.M.C.A., Chicago, Illinois] Beach & Pool. Feb. 1937
- life saving and aquatics in Y.M.C.A. Phys. Train. June 1924
- national survey of intermediate swimming in the Y.M.C.A. [H. G. Morris] Thesis. Springfield Col. 1937
- national survey of the Y.M.C.A. life saving program. [D. S. Stone] Thesis. Springfield Col. 1937
- national swimming and life saving program of Young Men's Christian Association. Phys. Train. April-June 1926
- natatorium policy of Boston Y.M.C.A. [B. Dean Brink] Phys. Train. June 1915
- philosophy of the Y.M.C.A. aquatic program in service to community. [T. K. Cureton, jr.] Beach & Pool. Sept-Oct. 1937
- program of swimming for the Young Men's Christian Association. [Henry F. Kallenberg] \$1 56p Assoc. Press. 1924
- survey of the status of recreational aquatics in the Y.M.C.A. [K. E. L'Hommedieu] Thesis. Springfield Col. 1937
- two million men and boys have learned to swim at the "Y." [H. G. Stokes] Beach & Pool. March 1927
- Y.M.C.A. swimming campaigns. Phys. Train. Dec. 1910
- Y.M.C.A. swimming pool equipment. [A. E. Hansen] Architect. Forum. Aug. 1930
- National Council. Safety rules. Poster. Assoc. Press
- National Swimming and Life Saving Committee. Swimming and life saving manual. 50c 48p Assoc. Press. 1929
- Y.W.C.A., National Board.** See Breen, Mary J. author for
- Yakovenko, V. A.** Effects of sea baths on metabolism in man. Vrach. dielo. Feb. 28 and March 31, 1931
- Yant, W. P.; Chorniyak, J.; Schrenk, H. H.; Patty, F. A.; and Sayers, R. R.** Studies in asphyxia. Pa. 15c 61p Gov. Printing Off. Aug. 1934
Written for U.S. Treasury Department, Public Health Service.
- Yokochi, Y. and Kato, K.** Observation on process of aspiration of liquid during course of drowning. Sei-I-Kai M. J. March 1937
- York, W. H.** Does our physical activity program function as health education? Journal-Lancet. June 1938
- Yost, H. H.** Aquatic sports in Hawaii. (il) Illus. World. Sept. 1922
- Young, W. H.** Overcoming the problems of the combination beach and pool. Beach & Pool. March 1932
- Young, W. J.** Ringworm of feet. Kentucky M. J. March 1933
- Young Swimmers League**
—wonderful new feature for boys and girls. Swim. Times. June 1936

Z

Zalet, R. P. See Strickler, A. jt. auth.

Zauner, Fred. Swimming and its dangers. 43p New York. The Author. 1906

Zedler. Universal Lexicon. 64v. Leipzig. 1743
Swimming, v28:498-99.

Zellers, E. V. Latest analysis of the ammonia-chlorine water treatment. Beach & Pool. Jan. 1938

Zeolite Water Treatment. See Water Softening, zeolite process

Ziegler, C. Sanitation of swimming pools. Mind & Body. Oct. 1916; *reprint* 10c Turner. 1916

Value of swimming pool for gymnastic societies. Mind & Body. July 1917

Zimmerman, T. M. Swimming pool and its operation. Beach & Pool. June, Aug. and Sept. 1931

Zimmermann-Meiningen, O. See Jagic, N. jt. auth.

Zippel, Hans. Germany: the land of swimming baths. Swim. Times. Oct. 1934

Zirbes, Dorothy L. (ed). See Lowman, C. L.

Zirkee, C. I. Largest swimming pool in Kansas. Playground. June 1924

Zoble, Victor Grant. How to conduct a water carnival. Beach & Pool. Jan. 1936

Zydeman, John N. Development of ability in your personnel is of prime importance. It is not enough that your employees know a thing; they must be able to transmit that knowledge. Beach & Pool. Aug. 1937

APPENDICES

Appendix A

ORGANIZATIONS PROMOTING SWIMMING

(The nations represented in the *Fédération Internationale de Natation Amateur* appear at the end of this list.)

Amateur Athletic Union of the United States, 233 Broadway, New York City. Founded 1888.

Amateur Diving Association of England, continued as Amateur Swimming Association of England. Merged in 1936. See under F.I.N.A., Great Britain.

American Association of Pools and Beaches, continued as National Association of Amusement Parks, Pools and Beaches.

American Camping Association, Lane Hall, Ann Arbor, Mich.

American Institute of Park Executives, 327 West Jefferson St., Rockford, Ill.

American Park Society, continued as American Institute of Park Executives

American Public Health Association and the Conference of State Sanitary Engineers, Joint Committee on Bathing Places, 50 West 50th St., New York City.

American Red Cross Life Saving Service. National Office, Washington, D.C. Director, Harold F. Enlows. Jurisdiction: Alabama, Connecticut, Delaware, District of Columbia, Florida, Georgia, Indiana, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Mississippi, New Hampshire, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, Tennessee, Vermont, Virginia and West Virginia.

Mid-Western Branch, 1709 Washington Ave., St. Louis, Mo. Director, A. W. Cantwell. Jurisdiction: Arkansas, Colorado, Illinois, Iowa, Kansas, Michigan, Minnesota, Missouri, Montana, Nebraska, New Mexico, North Dakota, Oklahoma, South Dakota, Texas, Wisconsin and Wyoming.

Pacific Branch, Larkin & Grove Sts., San Francisco, Calif. Director, E. H. Carroll. Jurisdiction: Alaska, Arizona, California, Idaho, Nevada, Oregon, Utah and Washington.

Aquatic Schools—

Eastern Area: Camp Carolina, Brevard, N.C.; Camp Letts, Edgewater, Md.; Culver Military Academy, Culver, Ind.; Camp Kiwanis, South Hanson, Mass.; Camp Brooklyn, Narrowsburg, N.Y.; Chautauqua Institution, Chautauqua, N.Y.

Mid-Western Area: Camp Mystic, Hunt, Tex.; Culver Military Academy, Culver, Ind.; Camp Ihduhapi, Loretto, Minn.; Rockaway Beach, Lake Taneycomo, Mo.; Indian Mound Reservation, Oconomowoc, Wis.

Pacific Area: Tempe Beach, Tempe, Ariz.; Como Springs, Morgan, Morgan County, Utah; Guernewood, Guernewood Park, Sonoma County, Calif.; Gwinwood, Olympia, Wash.

Aquatic Committee of the National Section on Women's Athletics of the American Association for Health, Physical Education and Recreation, American Association for Health, Physical Education and Recreation, 1201 Sixteenth St., N.W., Washington, D.C.

Boy Scouts of America, 2 Park Ave., New York City.

British Sports and Games Association, London.

Camp Directors Association, continued as American Camping Association.

Camp Fire Girls, Inc., 41 Union Square, New York City.

Chinese Swimming Club, Tanjong Bungah, Penang, China.

College Swimming Coaches' Association of America, S. W. Ingram, President, 1939, Colgate University, Hamilton, N.Y.

English Royal Life Saving Society. See Royal Life Saving Society of England.

Girl Scouts, Inc., 14 West 49th St., New York City.

Holland Life Saving Service, Amsterdam, Holland.

Jantzen Swimming Association, Jantzen Center, Portland, Ore.

Intercollegiate Swimming Coaches' Association of America. See College Swimming Coaches' Association of America.

Interscholastic Swimming Coaches' Association of America, Alfred A. Neuschaefer, Secretary, 1939, Central High School, Trenton, N.J.

Joint Committee on Bathing Places. See American Public Health Association and the Conference of State Sanitary Engineers, Joint Committee on Bathing Places.

Metropolitan Life Insurance Company, New York City.

BIBLIOGRAPHY OF SWIMMING

National Amateur Athletic Federation, 303 West 42nd St., New York City.

National Association of Amusement Parks, continued as National Association of Amusement Parks, Pools and Beaches.

National Association of Amusement Parks, Pools and Beaches, Suite 295, Hotel Sherman, Chicago, Ill.

National Association of Bath Superintendents of England, 30-31 Furnival St., Holborn, London.

National Association of Swimming Instructors, Mr. H. A. Pike, Hon. Secretary, 6, Charles St., Barnes, S.W. 13, England.

National Collegiate Athletic Association, Edward T. Kennedy, Editor of Guide, Columbia University, New York City.

National Collegiate Life Saving Society, Joseph E. Raycroft, President, 1939, Princeton University, Princeton, N.J.; Prof. Frank B. Wall, Secretary, 1939, New York University, New York City.

National Conference on State Parks, continued as American Institute of Park Executives.

National Recreation Association, 315 Fourth Ave., New York City.

National Safety Council, Inc., 20 North Wacker Drive, Chicago, Ill.

New South Wales Surf Life Saving Association. See Surf Life Saving Association of Australia.

Portland Cement Association, 33 West Grand Ave., Chicago, Ill.

Royal Life Saving Society of England, 8 Bayley St., Bedford Square, London.

Surf Life Saving Association of Australia, Sydney, New South Wales, Australia. Founded Oct. 1907.

U.S. Coast Guard, Washington, D.C.

U.S. Department of the Interior, Washington, D.C.

U.S. Volunteer Life Saving Corps, Dr. M. W. Talcott, 91 Sabin St., Providence, R.I.

Y.M.C.A., 347 Madison Ave., New York City.

Y.W.C.A., 600 Lexington Ave., New York City.

Young Swimmers' League (Young Sea Lions), sponsored by The Swimming Times, 4, Waddon Park Ave., Croydon, London.

Fédération Internationale de Natation Amateur

(Founded London, 1908)

Secretary and Treasurer, Dr. Leo Donath (Hungary), Budapest XI, Bertalan utca 22

Argentina—Federación Argentina de Natación y Water Polo, President, Mario L. Negri, Buenos Ayres, Lavalle 391, 6° Piso.

Australia—Amateur Swimming Union of Australia, Hon. Secretary, J. P. Sheedy, P.O. Box G. 506, Perth, Western Australia.

Austria—Verband der Österreichischen Schwimmvereine, Wien II, Dianabad.

Belgium—Fédération Royale Belge de Natation et de Sauvetage, Secretary Gen., R. De Raeve, Gand, Avenue du Muide 162.

Bermuda—Bermuda Athletic Association, Treasurer, E. L. Gibbons, Hamilton, Bermudas.

Bolivia—Federación Boliviana de Natación, La Paz, care of H. E. The Minister of Bolivia, Bolivian Legation, Berlin.

Brazil—Confederacás Brasileira de Desportos, Rio de Janeiro, Caixa Postal 1078.

Bulgaria—Ligue Maritime Nationale Bulgarie, Varna, Bulgaria.

Canada—Canadian Amateur Swimming Association, Hon. Secretary, Pat Earl, Montreal, 630, Dorchester St., W. Room 331.

Chili—Federación Chilena de Natación, Casilla 4161, Santiago.

China—China National Amateur Athletic Federation, Secretary Gen., Wm. Z. J. Sung, The New Stadium, Yenping Road, Shanghai.

Czecho-Slovakia—Ceskoslovensky Amateursky Plavecky Saz, President, L. Hauptmann, Praha, Vinohrady XII, Premslovska No. 27.

Denmark—Dansk Svømme og Livredningsforsbund, President, N. Jagd, Vodroffsvej 37, Copenhagen, V.

Egypt—Union Egyptienne des Sociétés Sportives, Alexandrie, B.P. 651. Secretary Gen., M. Herman.

Estonia—Eesti Veespordiliit, Tallinn, Rae-koja pl. 9, Post Kast 70.

Finland—Suomen Uimaliitto, Hon. Secretary, Esko Maekinen, Helsinki, Alber-tinkatu 6.

France—Fédération Française de Natation et de Sauvetage, Secretary Gen., A. Chalicerne, Paris, XXe, Avenue Gambetta 148.

Germany—Reichsbund für Leibesübungen, Berlin-Charlottenburg, Haus des Deutschen Sports, Fachamt Schwimmen.

Great Britain—England—Amateur Swimming Association, Hon. Secretary, H. E. Fern, J.P., "Springhaven," Barnet, Herts, Eng. Founded 1869.

Scotland—Scottish Amateur Swimming Association, Hon. Secretary, R. Cunningham, 10, Rannoch Drive, Cannies-burn, near Glasgow.

Wales—Welsh Amateur Swimming Association, Hon. Secretary, R. P. Green, 23, Charles St., Cardiff.

Greece—Fédération Hellénique de Natation Amateur, President, N. Protopoulos, Athènes, rue Paparrigopoulou 9.

Holland—Koninklijke Nederlandsche Zwembond, Hon. Secretary, C. Altink, Laan van Minsweerd 7 bis, Utrecht.

Hungary—Magyar Uszó Szövetség, Budapest V, Alkotmány-u. 3.

Iceland—Islaendischer Schwimmverband, c/o Islaendisches Olympischen Komité, Reykjavik, P.O. Box 164.

India—National Swimming Association, The Pavilion, Cornwallis Square, Calcutta.

Ireland—Irish Amateur Swimming Association, Hon. Secretary, William McCreedy, 33, Isadore Ave., Belfast.

Italy—Federazione Italiana di Nuoto, Secretary, A. Mascoli, Roma, Via dello Stadio no. 18.

Jamaica—Amateur Swimming Association of Jamaica, Hon. Secretary, W. Lowi, 76, Hanover St., Kingston, Jamaica.

Japan—Nippon Suizyokyogi Renmei (Amateur Swimming Association of Japan), Hon. Secretary, M. Tabata, 807, Marunouchi Buildings, Tokyo.

Jugoslavia—Jugoslavenski Plavicki Savez, Hon. Secretary, Dr. Ivo Pavelic, Zagreb, Illica 36/I links.

Latvia—Latvijas Peldesanas Savieniba, President, J. Kirkups, Riga, Vilanderiela No. 3.

Luxembourg—Fédération Luxembourgeoise de Natation et de Sauvetage, Secretary Gen., Léon Hengen, rue du Marché aux Herbes 26, Luxembourg.

Malta—Amateur Swimming Association of Malta, President, P. Giorgio, 25, Prince of Wales Junction, Sliema, Malta.

Mexico—Federación Mexicana de Natación, Hon. Secretary, R. Limon Lason, Chopec 159, Mexico City.

New Zealand—New Zealand Amateur Swimming Association, Hon. Secretary, B. O'Neill, P.O. Box 391, Christchurch, New Zealand.

Norway—Norges Svømmerforbund, President, J. Poleszynski, Oslo, St. Olavsgatan, 23, Idrættens Hus.

Palestine—Amateur Sports Clubs Association of Palestine, Secretary Gen., Jos. Yekutieli, P.O. Box 129, Tel-Aviv.

Peru—Federación Peruana de Natación, President, Washington Patino Arca, Lima, Ayacucho No. 529 L.

Philippines—Philippines Athletic Association, Hon. Secretary, Regino R. Ylanan, P.O. Box 1905, Wallace Field, Manila.

Poland—Polski Zwiarek Plywacki, Nowi Swiat 43 m. 8, Warszawa.

Portugal—Federação Portuguesa de Natação, Secretary, Mario Jorge da Silva Rocha, Lisboa, rua de Prata 81 1º.

South Africa—South African Amateur Swimming Union, Hon. Secretary, A. W. McIver, P.O. Box 149, Durban.

Spain—Federación Española de Natación Amateur, Secretary Gen., Luis Santacana, Rambla de Canaletas 9 pral., Barcelona.

Sweden—Svenska Simförbundet, Stockholm.

Switzerland—Fédération Suisse de Natation, President, P. Maag, Case postale, Vevey 2.

Turkey—Fédération Turque des Sports Nautiques, Türk Spor Kurumu, Su Sporları Federasyonu, Ankara.

United States of America—Amateur Athletic Union, Secretary, D. J. Ferris, Woolworth Building, 233 Broadway, New York City.

Uruguay—Federación Uruguaya de Natación, Secretary Gen., Raul A. Larrascq, Colón 1537, Montevideo.

Appendix B

I. SOURCES FOR EQUIPMENT AND SUPPLIES

ACID-ALKALINE TESTING SETS. See Testing Sets

ADJUSTABLE FLOW INLETS. See Inlets, adjustable flow

ADJUSTABLE NOZZLE INLETS. See Inlets, nozzle, adjustable

AERATION DOME SPRAYS. See Sprays, Water, aeration dome

AIR COMPRESSORS. See Masks, Diving

AIR-CONDITIONING EQUIPMENT
Westinghouse Electric & Manufacturing Company (Lighting Division), 1216 West 58th St., Cleveland, O. [Precipitron*]

AIR HOSE. See Masks, Diving

AIR MATTRESSES. See Mattresses, Rubber

AIR STRAINERS. See Strainers, Air

ALGAECKIDES
See also Copper Compound; Copper Sulfate
Mathieson Alkali Works (Inc.), The, 60 East 42nd St., New York City. [H T H]
Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

ALKALINE-ACID TESTING SETS. See Testing Sets

ALKALIS
See also Fused Alkali
Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.
Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
International Filter Company, 325 West 25th Place, Chicago, Ill.
Mathieson Alkali Works (Inc.), The, 60 East 42nd St., New York City.

ALUM
Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.
International Filter Company, 325 West 25th Place, Chicago, Ill.

—ammonia
Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
International Filter Company, 325 West 25th Place, Chicago, Ill.

—potash
Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
International Filter Company, 325 West 25th Place, Chicago, Ill.

ALUMINUM CHECKS
Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.

AMMONIA
Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
International Filter Company, 325 West 25th Place, Chicago, Ill.
Mathieson Alkali Works (Inc.), The, 60 East 42nd St., New York City.
—anhydrous
Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
International Filter Company, 325 West 25th Place, Chicago, Ill.
Mathieson Alkali Works (Inc.), The, 60 East 42nd St., New York City.
—aqua
Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
International Filter Company, 325 West 25th Place, Chicago, Ill.
Mathieson Alkali Works (Inc.), The, 60 East 42nd St., New York City.

AMMONIA ALUM. See Alum, ammonia

AMMONIATORS
American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.
Chemical Equipment Company, 223 Center St., Los Angeles, Calif.
Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
International Filter Company, 325 West 25th Place, Chicago, Ill.
Wallace & Tiernan Company, Inc., Newark, N.J.

ANCHOR, RUBBER
United States Rubber Company, 1790 Broadway, New York City. [U.S. Waterboy]

ANGLE TYPE DRAINS. See Drains, angle type main and scum gutter

ANGLE TYPE OUTLETS. See Outlets, angle type main and scum gutter

ANHYDROUS AMMONIA. See Ammonia, anhydrous

ANIMALS, WATER
American Playground Device Company, Anderson, Ind.
Playground Equipment Company, The, 82 Duane St., New York City.

ANIMALS, WATER, RUBBER
United States Rubber Company, 1790 Broadway, New York City. [U.S. Howland Commander; U.S. Howland Ensign; U.S. Howland Middle]

—bunnies
United States Rubber Company, 1790 Broadway, New York City.

- burros
 - United States Rubber Company, 1790 Broadway, New York City. [U.S. Waterboy Burro]
- dachshunds
 - United States Rubber Company, 1790 Broadway, New York City.
- donkeys
 - United States Rubber Company, 1790 Broadway, New York City. [U.S. Waterboy Donkey Doodle]
- ducks
 - United States Rubber Company, 1790 Broadway, New York City. [U.S. Waterboy Quack; U.S. Waterboy Quack-Quack]
- frogs
 - United States Rubber Company, 1790 Broadway, New York City.
- horses
 - United States Rubber Company, 1790 Broadway, New York City. [U.S. Waterboy Dobbin]
- pelicans
 - United States Rubber Company, 1790 Broadway, New York City. [U.S. Waterboy Pelican]
- seals
 - United States Rubber Company, 1790 Broadway, New York City.
- swans
 - United States Rubber Company, 1790 Broadway, New York City. [U.S. Waterboy Lily]
- ANIMALS, WATER, STEEL
 - Giant Manufacturing Company, Council Bluffs, Iowa.
- elephants
 - Giant Manufacturing Company, Council Bluffs, Iowa.
- ANKLE BANDS, ELASTIC. See Elastic Bands for Keys and Tags
- ANKLETS, ELASTIC
 - American Playground Device Company, Anderson, Ind.
 - Fitrite Products Company, 43-47 West 23rd St., New York City.
- ANTISEPTIC CLEANING COMPOUNDS. See Chemicals, sterilizing floors, lockers, and surroundings; Deodorants; Disinfectants
- ANTISEPTIC FOOT BATH TRAYS. See Foot Baths
- AQUA AMMONIA. See Ammonia, aqua
- AQUAPLANES
 - American Playground Device Company, Anderson, Ind.
 - Playground Equipment Company, The, 82 Duane St., New York City.
- ASPHALT SEALING PAINT. See Paint, asphalt sealing
- ASPIRATOR. See Resuscitator, Inhalator and Aspirator, Combination
- ATHLETE'S FOOT PREVENTIVES
 - American Playground Device Company, Anderson, Ind.
 - Chemical Equipment Company, 223 Center St., Los Angeles, Calif.
 - Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
- Everwear Manufacturing Company, The, Springfield, O.
- Mathieson Alkali Works (Inc.), The, 60 East 42nd St., New York City. [H T H]
- Wallace & Tiernan Company, Inc., Newark, N.J.
- ATHLETIC SUPPORTERS. See Swim Supporters
- AWARDS, MEDALS, AND TROPHIES
 - See also Charms; Emblems; Jewelry, Swimming; Loving Cups; Pins, Award; Plaques; Prizes
 - Balfour Company, L. G., Attleboro, Mass.
- BABIES' SWIM SUITS. See Suits, Swim, babies'
- BACKWATER VALVES. See Valves, backwater
- BALLS, WATER
 - See also Polo Balls
 - American Playground Device Company, Anderson, Ind.
 - United States Rubber Company, 1790 Broadway, New York City.
- BALSA WOOD BUOYS. See Buoys, Depth-Marker and Mooring, balsa wood; Life Preservers, balsa wood
- BALSA WOOD FLOATS. See Floats, balsa wood
- BALSA WOOD FLUTTER BOARDS. See Flutter Boards, balsa wood
- BALSA WOOD SURF BOARDS. See Surf Boards, balsa wood
- BASKET RACKS. See Racks, Basket
- BASKETS
 - See also Metal Baskets; Steel Baskets, Galvanized; Wire Baskets
 - American Playground Device Company, Anderson, Ind.
 - Playground Equipment Company, The, 82 Duane St., New York City.
 - Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.
- clothes checking
 - Playground Equipment Company, The, 82 Duane St., New York City.
 - Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.
- hangar
 - Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.
- locker
 - American Playground Device Company, Anderson, Ind.
 - Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.
- BATHHOUSE CHECKING SYSTEMS. See Checking Systems, Bathhouse
- BATHING CAPS. See Caps, Swim
- BATHING SUITS. See Suits, Swim
- BEACH CHAIRS. See Chairs, beach
- BEACH FURNITURE. See Furniture, Pool and Beach
- BEACH MATS. See Mats, beach
- BEACH MATTRESSES. See Mattresses, Rubber
- BEACH SHOES. See Sandals and Shoes, beach; Sandals and Shoes, wooden sole, beach
- BEACH UMBRELLAS. See Umbrellas, Beach and Life Guard

BIBLIOGRAPHY OF SWIMMING

BEACH WEAR

Bradley Knitting Company, Delavan, Wis.
 Broderick Company, Tom, 1725 South
 Grand Boulevard, Glendale, Calif.
 United States Rubber Company, 1790
 Broadway, New York City.

BEAT BOARDS. See Flutter Boards

BELTS, SWIMMING

American Playground Device Company,
 Anderson, Ind.
 Playground Equipment Company, The, 82
 Duane St., New York City.

BENCHES AND SEATS

See also Bleachers; Settees
 American Playground Device Company,
 Anderson, Ind.
 Everwear Manufacturing Company, The,
 Springfield, O.
 Playground Equipment Company, The, 82
 Duane St., New York City.

—locker room

American Playground Device Company,
 Anderson, Ind.
 Everwear Manufacturing Company, The,
 Springfield, O.
 Playground Equipment Company, The, 82
 Duane St., New York City.

BLEACHER SEATS. See Bleachers

BLEACHERS

American Playground Device Company,
 Anderson, Ind.
 Giant Manufacturing Company, Council
 Bluffs, Iowa.
 Playground Equipment Company, The, 82
 Duane St., New York City.

—knock-down

Playground Equipment Company, The, 82
 Duane St., New York City.

—portable

Giant Manufacturing Company, Council
 Bluffs, Iowa.

BLEACHES, LAUNDRY

Certified Products Company, Inc., 500
 South 22nd St., Birmingham, Ala.
 Clifton Chemical Company, Inc., Clifton
 Building, 246 Front St., New York City.
 Mathieson Alkali Works (Inc.), The, 60
 East 42nd St., New York City.
 [H T H]
 Wallace & Tiernan Company, Inc., Newark,
 N.J.

BLOCKS, DEODORIZING. See Deodorants

BOARDS, BEAT. See Flutter Boards

BOARDS, DIVING. See Diving Boards, Towers,
 and Equipment, boards; Diving Boards,
 Towers, and Equipment, multiple boards
 and stands

BOARDS, FLUTTER. See Flutter Boards

BOARDS, PADDLE. See Flutter Boards

BOARDS, SURF. See Surf Boards

BOAT AND MOTOR ACCESSORIES

Evinrude Motors, Milwaukee, Wis.

BOAT MOTORS

See also Canoe Motors; Outboard Mo-
 tors; Speed Boat Motors; Waterboy
 Pumps

Evinrude Motors, Milwaukee, Wis.

BOATS, RUBBER

United States Rubber Company, 1790
 Broadway, New York City. [U.S.
 Waterboy]

BORDERS, TILE

American-Franklin-Olean Tiles, Inc., Lans-
 dale, Pa.
 Sparta Ceramic Company, The, East
 Sparta, O.

BOYS' SWIM SUITS. See Suits, Swim, boys';
 Suits, Swim, trunks for men and boys

BRASS CHECKS

American Playground Device Company,
 Anderson, Ind.
 Vogel-Peterson Company, Inc., 1801 North
 Lincoln St., Chicago, Ill.

BRICKS, DIVING. See Diving Bricks

BROMTHYMOL BLUE SOLUTION. See Testing
 Sets

BROOMS

Certified Products Company, Inc., 500
 South 22nd St., Birmingham, Ala.

BRUSHES

American Playground Device Company,
 Anderson, Ind.

American Water Softener Company, 2670
 North 4th St., Philadelphia, Pa.

Certified Products Company, Inc., 500
 South 22nd St., Birmingham, Ala.

Chemical Equipment Company, 223 Center
 St., Los Angeles, Calif.

Everson Manufacturing Company, 214
 West Huron St., Chicago, Ill.

Hillyard Sales Company, St. Joseph, Mo.

Hygeia Filter Company, 3422-3440 Denton
 Ave., Detroit, Mich.

International Filter Company, 325 West
 25th Place, Chicago, Ill.

Lakeside Engineering Corporation, 222
 West Adams St., Chicago, Ill.

Playground Equipment Company, The, 82
 Duane St., New York City.

Recreation Equipment Company, 724-28
 West 8th St., Anderson, Ind.

—pool floor and wall

Hygeia Filter Company, 3422-3440 Denton
 Ave., Detroit, Mich.

International Filter Company, 325 West
 25th Place, Chicago, Ill.

Recreation Equipment Company, 724-28
 West 8th St., Anderson, Ind.

—scrubbing

Certified Products Company, Inc., 500
 South 22nd St., Birmingham, Ala.

Hillyard Sales Company, St. Joseph, Mo.

—vacuum cleaner

American Playground Device Company,
 Anderson, Ind.

American Water Softener Company, 2670
 North 4th St., Philadelphia, Pa.

Chemical Equipment Company, 223 Center

St., Los Angeles, Calif.

Everson Manufacturing Company, 214

West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton

Ave., Detroit, Mich.

International Filter Company, 325 West

25th Place, Chicago, Ill.

Lakeside Engineering Corporation, 222
West Adams St., Chicago, Ill.

Playground Equipment Company, The, 82
Duane St., New York City.

Recreation Equipment Company, 724-28
West 8th St., Anderson, Ind.

BUNNIES. See Animals, Water, Rubber, bunnies

BUOYS, DEPTH-MARKER AND MOORING
American Playground Device Company, Anderson, Ind.

Giant Manufacturing Company, Council Bluffs, Iowa

Playground Equipment Company, The, 82
Duane St., New York City.

—balsa wood
American Playground Device Company, Anderson, Ind.

BUOYS, LIFE. See Life Preservers; Life Preservers, balsa wood

BURNERS, RUBBISH. See Incinerators

BURROS. See Animals, Water, Rubber, burros

CABINETS
Hillyard Sales Company, St. Joseph, Mo.
Hobart Cabinet Company, Troy, O.

—leakproof
Hobart Cabinet Company, Troy, O.

—paper towel
Hillyard Sales Company, St. Joseph, Mo.

—shower room
Hobart Cabinet Company, Troy, O.

—storage
Hobart Cabinet Company, Troy, O.

—toilet paper
Hillyard Sales Company, St. Joseph, Mo.

CAKE SOAP. See Soap, cake

CALCIUM HYPOCHLORITE
Everson Manufacturing Company, 214
West Huron St., Chicago, Ill.

Mathieson Alkali Works (Inc.), The, 60
East 42nd St., New York City.
[H T H]

Wallace & Tiernan Company, Inc., Newark, N.J.

CANOE MOTORS
Evinrude Motors, Milwaukee, Wis.

CAPS, SWIM
United States Rubber Company, 1790
Broadway, New York City.

—children's
United States Rubber Company, 1790
Broadway, New York City. [U.S. Swim Caps]

—chin strap models
United States Rubber Company, 1790
Broadway, New York City. [U.S. Howland; U.S. Molded; U.S. Velvetex; U.S. Latex; U.S. Krepe-Tex]

—diving
United States Rubber Company, 1790
Broadway, New York City. [U.S. Krepe-Tex; U.S. Pure Gum Diver; U.S. Swim Caps]

—flat
United States Rubber Company, 1790
Broadway, New York City. [U.S. Flat Diver]

—gum
United States Rubber Company, 1790
Broadway, New York City. [U.S. Pure Gum Swim Caps]

—Krepe-Tex
United States Rubber Company, 1790
Broadway, New York City. [U.S. Krepe-Tex Swim Caps]

—men's
United States Rubber Company, 1790
Broadway, New York City. [U.S. Swim Caps]

—molded
United States Rubber Company, 1790
Broadway, New York City. [U.S. Swim Caps]

—shower
United States Rubber Company, 1790
Broadway, New York City. [U.S. Latex]

—strapless
United States Rubber Company, 1790
Broadway, New York City. [U.S. Howland; U.S. Swim Caps; U.S. Krepe-Tex Swim Caps; U.S. Molded; U.S. Velvetex; U.S. Latex; U.S. Pure Gum Swim Caps]

—tank
United States Rubber Company, 1790
Broadway, New York City. [U.S. Pure Gum Swim Caps; U.S. Swim Caps]

—tank, shallow
United States Rubber Company, 1790
Broadway, New York City. [U.S. Pure Gum Swim Caps; U.S. Swim Caps]

CATCHERS, HAIR AND LINT, GREASE AND OIL.
See Interceptors

CAT'S HEAD RINGS. See Rings, Rubber, cat's head

CEMENT PAINT. See Paint, cement

CEMENT SEALS. See Seals, Cement

CENTRIFUGAL PUMPS. See Pumps, centrifugal

CERAMIC MOSAIC
American-Franklin-Olean Tiles, Inc., Lansdale, Pa.

Sparta Ceramic Company, The, East Sparta, O.

CHAIRS
American Playground Device Company, Anderson, Ind.

Playground Equipment Company, The, 82
Duane St., New York City.

—beach
American Playground Device Company, Anderson, Ind.

Playground Equipment Company, The, 82
* Duane St., New York City.

—life guard. See Life Guard Chairs and Watch Towers

CHARMS
Balfour Company, L. G., Attleboro, Mass.

CHECKING SYSTEMS, BATHHOUSE
See also Aluminum Checks; Brass Checks; Checks, Identification; Checks for Valuables and Keys; Clothes Checking Systems; Elastic Bands for Keys and Tags; Identification Checks, Pins, and Tags; Metal Checks; Pins, Identification; Tags, Identification

BIBLIOGRAPHY OF SWIMMING

CHECKING SYSTEMS, BATHHOUSE—Continued
 Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.

CHECKS, IDENTIFICATION

American Playground Device Company, Anderson, Ind.

Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.

CHECKS, LOCKER. See **Locker Checks****CHECKS FOR VALUABLES AND KEYS**

American Playground Device Company, Anderson, Ind.

Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.

CHEMICAL CONTROL EQUIPMENT. See **Ammo-niators; Chemical Feeders; Chlorinators; Coagulant Feeders; Hydrogen Ion (pH) Control Equipment; Hypochlorite Feeders; Testing Sets**

CHEMICAL FEEDERS

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

Wallace & Tiernan Company, Inc., Newark, N.J.

CHEMICALS

See also under specific chemicals, such as Ammonia; Calcium Hypochlorite; Chlorine; etc.

American Playground Device Company, Anderson, Ind.

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Clifton Chemical Company, Inc., Clifton Building, 246 Front St., New York City.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Everwear Manufacturing Company, The, Springfield, O.

Hillyard Sales Company, St. Joseph, Mo.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Mathieson Alkali Works (Inc.), The, 60 East 42nd St., New York City.

Wallace & Tiernan Company, Inc., Newark, N.J.

—filtration

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Mathieson Alkali Works (Inc.), The, 60 East 42nd St., New York City.

Wallace & Tiernan Company, Inc., Newark, N.J.

—foot bath

American Playground Device Company, Anderson, Ind.

Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Everwear Manufacturing Company, The, Springfield, O.

Hillyard Sales Company, St. Joseph, Mo.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Mathieson Alkali Works (Inc.), The, 60 East 42nd St., New York City.

Wallace & Tiernan Company, Inc., Newark, N.J.

—sterilizing floors, lockers, and surroundings

Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Clifton Chemical Company, Inc., Clifton Building, 246 Front St., New York City.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Hillyard Sales Company, St. Joseph, Mo.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Mathieson Alkali Works (Inc.), The, 60 East 42nd St., New York City.

—sterilizing pool water

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Everwear Manufacturing Company, The, Springfield, O.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Mathieson Alkali Works (Inc.), The, 60 East 42nd St., New York City.

Wallace & Tiernan Company, Inc., Newark, N.J.

—sterilizing suits and towels

Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Clifton Chemical Company, Inc., Clifton Building, 246 Front St., New York City.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Mathieson Alkali Works (Inc.), The, 60 East 42nd St., New York City.

CHILDREN'S SWIM CAPS. See **Caps, Swim, children's**

CHILDREN'S SWIM SUITS. See Suits, Swim, children's

CHIN STRAP MODEL CAPS. See Caps, Swim, chin strap models

CHLORIDE OF LIME
Everson Manufacturing Company, 214
West Huron St., Chicago, Ill.

International Filter Company, 325 West
25th Place, Chicago, Ill.

Mathieson Alkali Works (Inc.), The, 60
East 42nd St., New York City.

CHLORIMETERS
See also Testing Sets
Everson Manufacturing Company, 214
West Huron St., Chicago, Ill.

Recreation Equipment Company, 724-28
West 8th St., Anderson, Ind.

CHLORINATORS
American Water Softener Company, 2670
North 4th St., Philadelphia, Pa.

Chemical Equipment Company, 223 Center
St., Los Angeles, Calif. [Chemco]

Everson Manufacturing Company, 214
West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton
Ave., Detroit, Mich.

International Filter Company, 325 West
25th Place, Chicago, Ill.

Lakeside Engineering Corporation, 222
West Adams St., Chicago, Ill.

Wallace & Tiernan Company, Inc., Newark,
N.J.

—electric
Chemical Equipment Company, 223 Center
St., Los Angeles, Calif.

Everson Manufacturing Company, 214
West Huron St., Chicago, Ill.

Wallace & Tiernan Company, Inc., Newark,
N.J.

—gas
American Water Softener Company, 2670
North 4th St., Philadelphia, Pa.

Chemical Equipment Company, 223 Center
St., Los Angeles, Calif.

Everson Manufacturing Company, 214
West Huron St., Chicago, Ill.

International Filter Company, 325 West
25th Place, Chicago, Ill.

Lakeside Engineering Corporation, 222
West Adams St., Chicago, Ill.

Wallace & Tiernan Company, Inc., Newark,
N.J.

—solution
Hygeia Filter Company, 3422-3440 Denton
Ave., Detroit, Mich.

CHLORINE
Everson Manufacturing Company, 214
West Huron St., Chicago, Ill.

Hillyard Sales Company, St. Joseph, Mo.

International Filter Company, 325 West
25th Place, Chicago, Ill.

Mathieson Alkali Works (Inc.), The, 60
East 42nd St., New York City.

Wallace & Tiernan Company, Inc., Newark,
N.J.

—gas
Everson Manufacturing Company, 214
West Huron St., Chicago, Ill.

International Filter Company, 325 West
25th Place, Chicago, Ill.

Mathieson Alkali Works (Inc.), The, 60
East 42nd St., New York City.

Wallace & Tiernan Company, Inc., Newark,
N.J.

—powder
International Filter Company, 325 West
25th Place, Chicago, Ill.

Mathieson Alkali Works (Inc.), The, 60
East 42nd St., New York City.
[H T H]

Wallace & Tiernan Company, Inc., Newark,
N.J.

—solution
Everson Manufacturing Company, 214
West Huron St., Chicago, Ill.

Hillyard Sales Company, St. Joseph, Mo.

Wallace & Tiernan Company, Inc., Newark,
N.J.

CHLORINE CONTENT TESTER. See Testing Sets

CHLORINE FEEDERS. See Chlorinators; Hypochlorite Feeders

CHLORINE-REMOVAL FILTERS. See Filters,
chlorine-removal

CHUTES. See Slides

CIRCULATION SYSTEMS, POOL WATER. See Recirculating Plants, Pool Water (Complete)

**CLAY TILE DECORATIVE BORDERS, LINERS,
PANELS, SIGNS, STRIPS.** See Tile, clay
decorative borders, liners, panels, signs,
strips

CLEANERS, SUCTION OR VACUUM. See Vacuum
Cleaners

CLEANING SUPPLIES
—antiseptic compounds. See Deodorants;
Disinfectants; Scrubbing Compounds and
Powders; Urinal Cakes

—brushes. See Scrubbing Brushes

—chemicals. See Chemicals, sterilizing floors,
lockers, and surroundings; Chemicals,
sterilizing suits and towels; Deodorants;
Disinfectants; Scrubbing Compounds and
Powders; Sprays, Deodorizing; Urinal
Cakes

—compounds. See Scrubbing Compounds
and Powders

—deodorants. See Deodorants

—disinfectants. See Disinfectants

—floors. See Floor Cleansers, Preservers,
and Renewers

—glass. See Glass Cleanser

—machines. See Polishing Machines; Scrubbing
Machines

—marble. See Marble Cleanser

—metal cleansers and polish. See Metal
Cleansers and Polish

—mopping buckets and wringers. See Mopping
Buckets and Wringers

—rust removers. See Rust Removers

—scrubbing powders. See Scrubbing Compounds
and Powders

—squeegees. See Pick Up Pan and Squeegee;
Squeegies

—tile. See Tile Cleanser

—wax. See Wax

CLOTH-TOP SANDALS. See Sandals and Shoes,
cloth-top

BIBLIOGRAPHY OF SWIMMING

CLOTHES CHECKING BASKETS. See Baskets, clothes checking

CLOTHES CHECKING SYSTEMS. See also Baskets; Checking Systems, Bathhouse; Locker Checks; Shelving Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.

CLOWN'S HEAD RINGS. See Rings, Rubber, clown's head

COAGULANT FEEDERS. American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Bacharach & Company, E. W., 800 Rialto Building, Kansas City, Mo.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

Wallace & Tiernan Company, Inc., Newark, N.J.

COAGULANTS. American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

International Filter Company, 325 West 25th Place, Chicago, Ill.

COAT RACKS. See Racks, Coat

COATINGS. See Enamel Coatings; Finishes; Roof Coating

COCOA DOORMATS. See Doormats, Cocoa

COCOA MATTING FOR DIVING BOARDS. See Diving Boards, Towers, and Equipment, covering for boards

COLOR DISCS AND STANDARDS (pH AND CHLORINE). See Testing Sets

COLOR-REMOVAL FILTERS. See Filters, color-removal

COLORED TILE. See Tile

COMMERCIAL LIGHTING OF OFFICES AND HALLS. Benjamin Electric Manufacturing Company, Des Plaines, Ill.

Westinghouse Electric & Manufacturing Company (Lighting Division), 1216 West 58th St., Cleveland, O. [Magnalux; Silvurn; T.I.; G.B.; M.B.]

COMPULSORY LANE DRAINS. See Drains, compulsory lane

CONCRETE SWIMMING POOL PAINT. See Paint, concrete swimming pool

CONNECTIONS, PIPE. American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

CONNECTIONS, VACUUM CLEANER. See Vacuum Cleaner Units, connections only

CONTRACTORS, POOL. Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

CONTROL VALVES. See Valves, check; Valves, filter control; Valves, hydraulic single control for filters

CONTROL VALVES, TRI-FILTER. See Valves, tri-filter control

COOLERS, DRINKING WATER. Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

COPPER COMPOUND. Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind. [C-34]

COPPER SULPHATE. Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

International Filter Company, 325 West 25th Place, Chicago, Ill.

CORK LANE MARKERS. See Lane Markers, cork

COTTON SWIM SUITS. See Suits, Swim, cotton

COUNTERS, BATHHOUSE. Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.

COUNTERS, STEEL. Hobart Cabinet Company, Troy, O.

Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.

COVERING.

- diving board. See Diving Boards, Towers, and Equipment, covering for boards
- floor. See Floor Covering
- non-slip. See Floor Covering, non-slip
- non-slip rubber. See Floor Covering, non-slip rubber
- non-slip sponge rubber for walkways. See Floor Covering, non-slip sponge rubber for walkways
- roof. See Roof Coating
- springboards. See Diving Boards, Towers, and Equipment, covering for boards

CROOKS, SHEPHERD'S. See Rescue Poles

CUPS, LOVING. See Loving Cups

CYCLE-STORAGE EQUIPMENT. American Playground Device Company, Anderson, Ind.

DACHSHUNDS. See Animals, Water, Rubber, dachshunds

DECORATIVE TILE. See Tile, decorative

DEEP-WELL PUMPS. See Pumps, deep-well

DEEP-WELL TURBINES. See Turbines, deep-well

DEODORANTS. See also Sprays, Deodorizing; Urinal Cakes

Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.

Clifton Chemical Company, Inc., Clifton Building, 246 Front St., New York City

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Everwear Manufacturing Company, The, Springfield, O.

Hillyard Sales Company, St. Joseph, Mo.

Mathieson Alkali Works (Inc.), The, 60 East 42nd St., New York City. [H T H]

DEPTH-MARKER BUOYS. See Buoys, Depth-Marker and Mooring

DESIGNERS, POOL

See also Engineering Consultants, Pool and Beach; Engineers

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Josam Manufacturing Company, 1783 East 11th St., Cleveland, O. [Recommends to architects, contractors and plumbers exact type, size and location for drainage and circulation items.]

DESKS, BATHHOUSE

Hobart Cabinet Company, Troy, O.

DISINFECTANTS

Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.

Clifton Chemical Company, Inc., Clifton Building, 246 Front St., New York City.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Everwear Manufacturing Company, The, Springfield, O.

Hillyard Sales Company, St. Joseph, Mo.

Mathieson Alkali Works (Inc.), The, 60 East 42nd St., New York City. [H T H]

DISPENSERS, SOAP. See Soap Dispensers**DIVING BOARDS, TOWERS, AND EQUIPMENT**

American Playground Device Company, Anderson, Ind.

Anchor Post Fence Company, Eastern Ave. and Kane St., Baltimore, Md.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Everwear Manufacturing Company, The, Springfield, O.

Giant Manufacturing Company, Council Bluffs, Iowa.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

Playground Equipment Company, The, 82 Duane St., New York City.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

United States Rubber Company, 1790 Broadway, New York City.

—boards

American Playground Device Company, Anderson, Ind.

Anchor Post Fence Company, Eastern Ave. and Kane St., Baltimore, Md.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Everwear Manufacturing Company, The, Springfield, O.

Giant Manufacturing Company, Council Bluffs, Iowa.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

Playground Equipment Company, The, 82 Duane St., New York City.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

—covering for boards

American Playground Device Company, Anderson, Ind.

Anchor Post Fence Company, Eastern Ave. and Kane St., Baltimore, Md.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Everwear Manufacturing Company, The, Springfield, O.

Giant Manufacturing Company, Council Bluffs, Iowa.

Playground Equipment Company, The, 82 Duane St., New York City.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

—fulcrums

Playground Equipment Company, The, 82 Duane St., New York City.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

—fulcrums, adjustable

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Everwear Manufacturing Company, The, Springfield, O.

Giant Manufacturing Company, Council Bluffs, Ia.

—multiple boards and stands

American Playground Device Company, Anderson, Ind.

Anchor Post Fence Company, Eastern Ave. and Kane St., Baltimore, Md.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Everwear Manufacturing Company, The, Springfield, O.

Giant Manufacturing Company, Council Bluffs, Iowa.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

Playground Equipment Company, The, 82 Duane St., New York City.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

—rubber matting

United States Rubber Company, 1790 Broadway, New York City.

—stands

American Playground Device Company, Anderson, Ind.

Anchor Post Fence Company, Eastern Ave. and Kane St., Baltimore, Md.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Everwear Manufacturing Company, The, Springfield, O.

Giant Manufacturing Company, Council Bluffs, Iowa.

Playground Equipment Company, The, 82 Duane St., New York City.

BIBLIOGRAPHY OF SWIMMING

DIVING BOARDS—Continued

Recreation Equipment Company, 724-28
West 8th St., Anderson, Ind.

—towers. See Diving Boards, Towers, and Equipment, stands

DIVING BRICKS

American Playground Device Company, Anderson, Ind.

Everson Manufacturing Company, 214
West Huron St., Chicago, Ill.

Playground Equipment Company, The, 82
Duane St., New York City.

Recreation Equipment Company, 724-28
West 8th St., Anderson, Ind.

DIVING CAPS. See Caps, Swim, diving

DIVING FLOATS. See Floats, diving

DIVING MASKS. See Masks, Diving

DOME SPRAYS. See Sprays, Water, dome

DOMES, SHOWER AND SPRAY

Josam Manufacturing Company, 1783 East
11th St., Cleveland, O.

—wading pool
Josam Manufacturing Company, 1783 East
11th St., Cleveland, O.

DONKEYS. See Animals, Water, Rubber, donkeys

DOORMATS, COCOA

American Playground Device Company, Anderson, Ind.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Hillyard Sales Company, St. Joseph, Mo.

DRAIN SOLVENT

Certified Products Company, Inc., 500
South 22nd St., Birmingham, Ala.

Hillyard Sales Company, St. Joseph, Mo.

DRAINS

See also Outlets

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214
West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Josam Manufacturing Company, 1783 East
11th St., Cleveland, O.

—angle type main and scum gutter
Everson Manufacturing Company, 214
West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Josam Manufacturing Company, 1783 East
11th St., Cleveland, O.

—compulsory lane (inlet, outlet, and overflow)
Josam Manufacturing Company, 1783 East
11th St., Cleveland, O.

—drinking fountain
Everson Manufacturing Company, 214
West Huron St., Chicago, Ill.

Josam Manufacturing Company, 1783 East
11th St., Cleveland, O.

—floor
Everson Manufacturing Company, 214
West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Josam Manufacturing Company, 1783 East
11th St., Cleveland, O.

—footbath (inlet, outlet, and overflow)
Everson Manufacturing Company, 214
West Huron St., Chicago, Ill.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Josam Manufacturing Company, 1783 East
11th St., Cleveland, O.

—grating for floor trenches
Everson Manufacturing Company, 214
West Huron St., Chicago, Ill.

—gutter
Everson Manufacturing Company, 214
West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Josam Manufacturing Company, 1783 East
11th St., Cleveland, O.

—laundry
Josam Manufacturing Company, 1783 East
11th St., Cleveland, O.

—low velocity outlet
Josam Manufacturing Company, 1783 East
11th St., Cleveland, O.

—main outlet
Everson Manufacturing Company, 214
West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Josam Manufacturing Company, 1783 East
11th St., Cleveland, O.

—multiple unit
International Filter Company, 325 West 25th Place, Chicago, Ill.

Josam Manufacturing Company, 1783 East
11th St., Cleveland, O.

—overflow
Everson Manufacturing Company, 214
West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Josam Manufacturing Company, 1783 East
11th St., Cleveland, O.

—promenade. See Drains, walkway

—roof
Josam Manufacturing Company, 1783 East
11th St., Cleveland, O.

—scum gutter
Everson Manufacturing Company, 214
West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Josam Manufacturing Company, 1783 East
11th St., Cleveland, O.

—shower
Josam Manufacturing Company, 1783 East
11th St., Cleveland, O.

- side wall main
 - Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
 - Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.
 - International Filter Company, 325 West 25th Place, Chicago, Ill.
- toilet
 - Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.
- trench
 - Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
- trough
 - Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
 - Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.
- urinal
 - Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.
- vent stack sleeves
 - Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.
- walkway
 - Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
 - International Filter Company, 325 West 25th Place, Chicago, Ill.
 - Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.
- wall. See Drains, side wall main
- washroom
 - Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.
- DRINKING FOUNTAIN DRAINS. See Drains, drinking fountain
- DRY CHEMICAL FEEDERS. See Chemical Feeders
- DRYERS, HAIR AND HAND
 - Playground Equipment Company, The, 82 Duane St., New York City.
 - Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind. [Marvel Super Dryer]
- DUCKS. See Animals, Water, Rubber, ducks
- EAR STOPPLES
 - Fitsrite Products Company, 43-47 West 23rd St., New York City.
- EARDRUM PROTECTORS, AUDIPHONE
 - Fitsrite Products Company, 43-47 West 23rd St., New York City.
- EJECTOR INLETS. See Inlets, ejector
- EJECTOR OUTLETS. See Outlets, ejector
- ELASTIC ANKLETS. See Anklets, Elastic
- ELASTIC BANDS FOR KEYS AND TAGS (ANKLE, NECK, WRIST)
 - Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.
- ELASTIC KNEE CAPS. See Knee Caps, elastic
- ELASTIC WRIST SUPPORTERS. See Wrist Supporters, elastic
- ELECTRIC CHLORINATORS. See Chlorinators, electric
- ELECTRICAL FIXTURES
 - See also Commercial Lighting, Offices and Halls; Floodlights; Industrial Lighting, Pools and Locker Rooms; Lighting Equipment
- Benjamin Electric Manufacturing Company, Des Plaines, Ill.
- Chemical Equipment Company, 223 Center St., Los Angeles, Calif.
- Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
- Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.
- Westinghouse Electric & Manufacturing Company, (Lighting Division), 1216 West 58th St., Cleveland, O.
- ELEPHANTS. See Animals, Water, Steel, elephants
- EMBLEMS
 - Balfour Company, L. G., Attleboro, Mass.
- ENAMEL COATING (WATERPROOF, MILDEW-RESISTING, NON-BLEEDING)
 - Inertol Company, Inc., 401 Broadway, New York City. [Ramuc; Incolite]
- ENGINEERING CONSULTANTS, POOL AND BEACH
 - See also Designers, Pool; Engineers
 - American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.
 - Chemical Equipment Company, 223 Center St., Los Angeles, Calif.
 - Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
 - International Filter Company, 325 West 25th Place, Chicago, Ill.
 - Josam Manufacturing Company, 1783 East 11th St., Cleveland, O. [Recommends to architects, contractors, and plumbers exact type, size and location for drainage and circulation items.]
- ENGINEERS
 - See also Designers; Engineering Consultants, Pool and Beach
 - American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.
 - Chemical Equipment Company, 223 Center St., Los Angeles, Calif.
- EXPANSION JOINTS
 - Bailey & Company, Ltd., Sir W. H. Albion Works, Oldfield Road, Salford, 5, Lancs, Eng.
- FAIENCE, GLAZED. See Glazed Faience
- FEEDERS, CHEMICAL. See Ammoniators; Chemical Feeders; Chlorinators; Coagulant Feeders; Hypochlorite Feeders
- FENCE GATES. See Gates, Fence
- FENCE POSTS. See Posts, Fence
- FENCES
 - See also Gates, Fence; Posts, Fence
 - American Playground Device Company, Anderson, Ind.
 - Anchor Post Fence Company, Eastern Ave. and Kane St., Baltimore, Md.
- FILING EQUIPMENT
 - Hobart Cabinet Company, Troy, O.
 - Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.
- FILLER TANK PAINT. See Paint, filler tank
- FILLERS, JOINT. See Joint Fillers
- FILTER CONTROL VALVES. See Valves, filter control; Valves, hydraulic single control for filters; Valves, tri-filter control
- FILTER GRAVEL. See Filter Refills

FILTER REFILLS

American Water Softener Company, 2670
North 4th St., Philadelphia, Pa.
Bacharach & Company, E. W., 800 Rialto Building, Kansas City, Mo.
Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.
International Filter Company, 325 West 25th Place, Chicago, Ill.
Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

FILTER SAND

American Water Softener Company, 2670
North 4th St., Philadelphia, Pa.
Bacharach & Company, E. W., 800 Rialto Building, Kansas City, Mo.
Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
International Filter Company, 325 West 25th Place, Chicago, Ill.
Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

FILTERING PLANTS, COMPLETE

American Water Softener Company, 2670
North 4th St., Philadelphia, Pa.
Bacharach & Company, E. W., 800 Rialto Building, Kansas City, Mo.
Chemical Equipment Company, 223 Center St., Los Angeles, Calif.
Cook, Inc., A. D., Lawrenceburg, Ind.
Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
International Filter Company, 325 West 25th Place, Chicago, Ill. [Infilco]
Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.
Wallace & Tiernan Company, Inc., Newark, N.J.

FILTERS

American Water Softener Company, 2670
North 4th St., Philadelphia, Pa.
Bacharach & Company, E. W., 800 Rialto Building, Kansas City, Mo.
Chemical Equipment Company, 223 Center St., Los Angeles, Calif.
Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.
International Filter Company, 325 West 25th Place, Chicago, Ill. [Infilco]
Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

-chlorine-removal

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.
International Filter Company, 325 West 25th Place, Chicago, Ill.

-color-removal

American Water Softener Company, 2670
North 4th St., Philadelphia, Pa.
Bacharach & Company, E. W., 800 Rialto Building, Kansas City, Mo.
Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.
Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

-gravity

American Water Softener Company, 2670
North 4th St., Philadelphia, Pa.
Bacharach & Company, E. W., 800 Rialto Building, Kansas City, Mo.
Chemical Equipment Company, 223 Center St., Los Angeles, Calif.
Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company

325 West 25th Place, Chicago, Ill.
Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

-iron removal

American Water Softener Company, 2670
North 4th St., Philadelphia, Pa.
Bacharach & Company, E. W., 800 Rialto Building, Kansas City, Mo.
Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company

325 West 25th Place, Chicago, Ill.
Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

-odor-removal

American Water Softener Company, 2670
North 4th St., Philadelphia, Pa.
Bacharach & Company, E. W., 800 Rialto Building, Kansas City, Mo.
Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company

325 West 25th Place, Chicago, Ill.
Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

-pressure

American Water Softener Company, 2670
North 4th St., Philadelphia, Pa.
Bacharach & Company, E. W., 800 Rialto Building, Kansas City, Mo.
Chemical Equipment Company, 223 Center St., Los Angeles, Calif.
Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company

325 West 25th Place, Chicago, Ill.
Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

-taste-removal

American Water Softener Company, 2670
North 4th St., Philadelphia, Pa.
Bacharach & Company, E. W., 800 Rialto Building, Kansas City, Mo.
Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

FILTRATION CHEMICALS. See Chemicals, filtration

FINISHES

See also Enamel Coatings; Paint

Clifton Chemical Company, Inc., Clifton Building, 246 Front St., New York City. Hillyard Sales Company, St. Joseph, Mo. Inertol Company, Inc., 401 Broadway, New York City.

—frostproof

Hillyard Sales Company, St. Joseph, Mo. Inertol Company, Inc., 401 Broadway, New York City. [Ramuc]

—tile-like

Inertol Company, Inc., 401 Broadway, New York City. [Ramuc]

—waterproof

Clifton Chemical Company, Inc., Clifton Building, 246 Front St., New York City. [Lustra Bar Oil]

Hillyard Sales Company, St. Joseph, Mo. Inertol Company, Inc., 401 Broadway, New York City. [Ramuc]

FIRST AID KITS FOR POOL AND BEACH

Hillyard Sales Company, St. Joseph, Mo.

FISH RINGS. See Rings, Rubber, fish

FITTINGS, FOOT BATH (INLETS, OUTLETS, OVERFLOW)

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

FITTINGS, POOL

See also Fittings, Foot Bath; Fittings, Vacuum Cleaner; and under specific items such as Drains; Inlets; Outlets; etc.

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

Playground Equipment Company, The, 82 Duane St., New York City.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

—garden pool

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

Playground Equipment Company, The, 82 Duane St., New York City.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

—ornamental

Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

FITTINGS, VACUUM CLEANER

See also Vacuum Cleaner Units

American Playground Device Company, Anderson, Ind.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

FIXTURES, ELECTRICAL. See Electrical Fixtures

FLAGPOLES

American Playground Device Company, Anderson, Ind.

Everwear Manufacturing Company, The, Springfield, O.

Giant Manufacturing Company, Council Bluffs, Iowa.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

FLAT SWIM CAPS. See Caps, Swim, flat

FLOATS

See also Buoys, Depth-Marker and Mooring

American Playground Device Company, Anderson, Ind.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Giant Manufacturing Company, Council Bluffs, Iowa.

Playground Equipment Company, The, 82 Duane St., New York City.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

—balsa wood

American Playground Device Company, Anderson, Ind.

Playground Equipment Company, The, 82 Duane St., New York City.

—diving

American Playground Device Company, Anderson, Ind.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Giant Manufacturing Company, Council Bluffs, Iowa.

Playground Equipment Company, The, 82 Duane St., New York City.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

—hose. See Hose, Vacuum Cleaner, floats

for

—life line. See Life Lines

FLOODLIGHTS

See also Lighting Equipment

American Playground Device Company, Anderson, Ind.

Benjamin Electric Manufacturing Company, Des Plaines, Ill.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Giant Manufacturing Company, Council Bluffs, Iowa. [Giant Product]

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

Westinghouse Electric & Manufacturing Company (Lighting Division), 1216 West 58th St., Cleveland, O. [Duolux]

—underwater

Benjamin Electric Manufacturing Company, Des Plaines, Ill.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

Westinghouse Electric & Manufacturing Company (Lighting Division), 1216 West 58th St., Cleveland, O. [Aqualux]

FLOOR BRUSHES, POOL, HYDRAULIC. See Brushes, pool floor and wall

FLOOR CLEANSERS, PRESERVERS, AND RENEWERS Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.

Clifton Chemical Company, Inc., Clifton Building, 246 Front St., New York City. [Shine-Brite]

Hillyard Sales Company, St. Joseph, Mo.

FLOOR COVERING

American Playground Device Company, Anderson, Ind.

Hillyard Sales Company, St. Joseph, Mo. United States Rubber Company, 1790 Broadway, New York City.

—non-slip

American Playground Device Company, Anderson, Ind.

Hillyard Sales Company, St. Joseph, Mo. United States Rubber Company, 1790 Broadway, New York City.

—non-slip sponge rubber for walkways

Hillyard Sales Company, St. Joseph, Mo. **FLOOR DRAINS.** See Drains, floor

FLOOR PAINT. See Paint, floor

FLOOR POLISH. See Polish, Floor, Furniture, and Woodwork

FLOOR POLISHING MACHINES. See Polishing Machines

FLOORING, TILE

American-Franklin-Olean Tiles, Inc., Lansdale, Pa.

Sparta Ceramic Company, The, East Sparta, O.

FLOW METERS

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Everson Manufacturing Company, 214

West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

Wallace & Tiernan Company, Inc., Newark, N.J.

Worthington-Gamon Meter Company, Harrison, N.J.

FLOW RATE INDICATORS

American Water Softener Company, 2670

North 4th St., Philadelphia, Pa.

Everson Manufacturing Company, 214

West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

Wallace & Tiernan Company, Inc., Newark, N.J.

Worthington-Gamon Meter Company, Harrison, N.J.

FLUTTER BOARDS

American Playground Device Company, Anderson, Ind.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

—balsa wood American Playground Device Company, Anderson, Ind.

FOOT BATH CHEMICALS. See Chemicals, foot bath

FOOT BATH DRAINS. See Drains, foot bath

FOOT BATH FITTINGS. See Fittings, Foot Bath

FOOT BATHS

American Playground Device Company, Anderson, Ind.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Everwear Manufacturing Company, The, Springfield, O.

Hillyard Sales Company, St. Joseph, Mo. Playground Equipment Company, The, 82

Duane St., New York City. Recreation Equipment Company, 724-28

West 8th St., Anderson, Ind. United States Rubber Company, 1790

Broadway, New York City.

—rubber

American Playground Device Company, Anderson, Ind.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Everwear Manufacturing Company, The, Springfield, O.

Playground Equipment Company, The, 82

Duane St., New York City. Recreation Equipment Company, 724-28

West 8th St., Anderson, Ind. United States Rubber Company, 1790

Broadway, New York City.

FOUNTAIN SPOUTS. See Spouts, Fountain

FROGS. See Animals, Water, Rubber, frogs; Rings, Rubber, frog

FROSTPROOF FINISHES. See Finishes, frostproof

FULCRUMS. See Diving Boards, Towers, and Equipment, fulcrums; Diving Boards, Towers, and Equipment, fulcrums, adjustable

FURNITURE, POOL AND BEACH
See also Office Equipment; and under specific items, such as Desks, Bathhouse; Settees; etc.

American Playground Device Company, Anderson, Ind.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Everwear Manufacturing Company, The, Springfield, O.

FURNITURE PAINT. See Paint, furniture

FURNITURE POLISH. See Polish, Floor, Furniture, and Woodwork

FURNITURE RENEWER
Hillyard Sales Company, St. Joseph, Mo.

FUSED ALKALI
Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Mathieson Alkali Works (Inc.), The, 60 East 42nd St., New York City. [pH-Plus]

GALVANIZED STEEL BASKETS. See Steel Baskets, Galvanized

GAS CHLORINATORS. See Chlorinators, gas

GAS PRESSURE GAUGES. See Pressure Gauges, Gas

GATES, FENCE
Anchor Post Fence Company, Eastern Ave. and Kane St., Baltimore, Md.

GAUGES
American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

Wallace & Tiernan Company, Inc., Newark, N.J.

Worthington-Gamon Meter Company, Harrison, N.J.

GIRDLES, SWIM
United States Rubber Company, 1790 Broadway, New York City. [U. S. Multipore]

GIRLS' SWIM SUITS. See Suits, Swim, girls'

GLASS CLEANSER
Hillyard Sales Company, St. Joseph, Mo.

GLAZED FAIENCE
American-Franklin-Olean Tiles, Inc., Lansdale, Pa.

Sparta Ceramic Company, The, East Sparta, O.

GLAZED TILE
American-Franklin-Olean Giles, Inc., Lansdale, Pa.

Sparta Ceramic Company, The, East Sparta, O.

GOGGLES, SWIMMING
Fitsrite Products Company, 43-47 West 23rd St., New York City.

GRATINGS, DRAIN. See Drains, grating for floor trenches

GRAVEL, FILTER. See Filter Refills

GRAVITY FILTERS. See Filters, gravity

GREASE INTERCEPTORS. See Interceptors, grease and oil

GREENSAND ZEOLITE
American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

GRIPS, LADDER AND STAIR
American Playground Device Company, Anderson, Ind.

Anchor Post Fence Company, Eastern Ave. and Kane St., Baltimore, Md.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Everwear Manufacturing Company, The, Springfield, O.

Giant Manufacturing Company, Council Bluffs, Iowa.

Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

United States Rubber Company, 1790 Broadway, New York City.

GUM RUBBER SWIM CAPS. See Caps, Swim, gum

GUTTER DRAINS. See Drains, gutter

GUTTERS, SCUM, TILE. See Scum Gutters, Tile

HAIR AND HAND DRYERS. See Dryers, Hair and Hand

HAIR AND LINT CATCHERS. See Interceptors, hair and lint

HAND GRIPS FOR LADDERS AND STAIRS. See Grips, Ladder and Stair

HANGAR BASKETS. See Baskets, hangar

HAT RACKS. See Racks, Hat

HEATERS, WATER AND BATHHOUSE
See also Heating Systems, Steam

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

International Filter Company, 325 West 25th Place, Chicago, Ill.

—steam
Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

HEATING SYSTEMS, STEAM
Warren Webster & Company, 17th and Federal Sts., Camden, N.J.

HIGH CAPACITY GREENSAND ZEOLITE
American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

BIBLIOGRAPHY OF SWIMMING

HOLDERS, ROPE (ON LANE MARKERS)
 Josam Manufacturing Company, 1873 East 11th St., Cleveland, O.

HOLLOWARE. See *Awards, Medals, and Trophies*

HORSES. See *Animals, Water, Rubber, horses*

HOSE, RUBBER, WATER
 United States Rubber Company, 1790 Broadway, New York City.

HOSE, VACUUM CLEANER
 American Playground Device Company, Anderson, Ind.

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

Playground Equipment Company, The, 82 Duane St., New York City.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

—floats for

American Playground Device Company, Anderson, Ind.

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

Playground Equipment Company, The, 82 Duane St., New York City.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

HYDRAULIC FLOOR AND WALL BRUSHES, POOL
 See *Brushes, pool floor and wall*

HYDROGEN ION (pH) CONTROL EQUIPMENT
 See also *Chemical Feeders; Coagulant Feeders; Hypochlorite Feeders; Recirculating Plants, Pool Water (Complete); Sterilizing Plants, Pool Water (Complete); Testing Sets*

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

Taylor & Company, Inc., W. A., 872 Linden Ave., Baltimore, Md.

Wallace & Tiernan Company, Inc., Newark, N.J.

HYPHOCHLORITE
 See also *Calcium Hypochlorite; Sodium Hypochlorite*

American Playground Device Company, Anderson, Ind.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Mathieson Alkali Works (Inc.), The, 60 East 42nd St., New York City.
 [H T H]

HYPHOCHLORITE, CALCIUM. See *Calcium Hypochlorite*

HYPHOCHLORITE, SODIUM. See *Sodium Hypochlorite*

HYPHOCHLORITE FEEDERS
 American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Bacharach & Company, E. W., 800 Rialto Building, Kansas City, Mo.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

Wallace & Tiernan Company, Inc., Newark, N.J.

HYPOSULPHITE OF SODA
 Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

IDENTIFICATION CHECKS, PINS AND TAGS
 See also *Aluminum Checks; Brass Checks; Metal Checks*

American Playground Device Company, Anderson, Ind.

Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.

INCINERATORS
 Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

INDICATORS
 American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

Wallace & Tiernan Company, Inc., Newark, N.J.

Worthington-Gamon Meter Company, Harrison, N.J.

INDUSTRIAL LIGHTING, POOLS AND LOCKER ROOMS
 Benjamin Electric Manufacturing Company, Des Plaines, Ill.

Westinghouse Electric & Manufacturing Company (Lighting Division), 1216 West 58th St., Cleveland, O. [Hi-Bay; Millite; R.L.M.]

INFLATED ANIMALS AND RINGS. See *Animals, Water, Rubber; Rings, Rubber*

INFLATED MATTRESSES. See *Mattresses, Rubber*

INHALATOR. See Resuscitator, Inhalator and Aspirator, Combination

INLETS

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Josam Manufacturing Company, 1783 East 11th St., Cleveland, O. [Josam Ejector]

—adjustable flow

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

—ejector

Josam Manufacturing Company, 1783 East 11th St., Cleveland, O. [Josam Ejector]

—foot bath. See Fittings, Foot Bath

—nozzle

Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

—nozzle, adjustable

Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

—ornamental

Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

—spray

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

INSECTICIDES

Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.

Clifton Chemical Company, Inc., Clifton Building, 246 Front St., New York City.

Hillyard Sales Company, St. Joseph, Mo.

INTERCEPTORS

See also Strainers

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Bacharach & Company, E. W., 800 Rialto Building, Kansas City, Mo.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Cook, Inc., A. D., Lawrenceburg, Ind.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

—grease and oil

Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

—hair and lint

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Bacharach & Company, E. W., 800

Rialto Building, Kansas City, Mo.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Cook, Inc., A. D., Lawrenceburg, Ind.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

—sediment

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Bacharach & Company, E. W., 800 Rialto Building, Kansas City, Mo.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Cook, Inc., A. D., Lawrenceburg, Ind.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

IRON-REMOVAL FILTERS. See Filters, iron-removal

JACKETS, WEIGHTED. See Weighted Jackets

JEWELRY, SWIMMING

Balfour Company, L. G., Attleboro, Mass.

JOCK STRAPS. See Swim Supporters

JOINT FILLERS

Inertol Company, Inc., 401 Broadway, New York City. [Inertol Hotmastic]

JOINTS, EXPANSION. See Expansion Joints

KNEE CAPS

Fitsrite Products Company, 43-47 West 23rd St., New York City.

—elastic

Fitsrite Products Company, 43-47 West 23rd St., New York City.

KNOCK-DOWN BLEACHERS. See Bleachers, knock-down

KREPE-TEX SWIM CAPS. See Caps, Swim, Krepe-Tex

KREPE-TEX SWIM SUITS. See Suits, Swim, Krepe-Tex

LADDER STEPS. See Ladders and Stairs

LADDERS AND STAIRS

See also Stair Treads, Tile

American-Franklin-Olean Tiles, Inc., Lansdale, Pa.

American Playground Device Company, Anderson, Ind.

Anchor Post Fence Company, Eastern Ave. and Kane St., Baltimore, Md.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

BIBLIOGRAPHY OF SWIMMING

LADDERS AND STAIRS—Continued

Everson Manufacturing Company, 214
West Huron St., Chicago, Ill.
Everwear Manufacturing Company, The, Springfield, O.
Giant Manufacturing Company, Council Bluffs, Iowa.
Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.
Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.
Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

—landing

American Playground Device Company, Anderson, Ind.
Chemical Equipment Company, 223 Center St., Los Angeles, Calif.
Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
Everwear Manufacturing Company, The, Springfield, O.
Giant Manufacturing Company, Council Bluffs, Iowa.
Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

—recessed

American-Franklin-Olean Tiles, Inc., Lansdale, Pa.
American Playground Device Company, Anderson, Ind.
Chemical Equipment Company, 223 Center St., Los Angeles, Calif.
Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
Everwear Manufacturing Company, The, Springfield, O.
Giant Manufacturing Company, Council Bluffs, Iowa.
Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

LAKE-BOTTOM SLIDES. See Slides, lake-bottom
LANDING LADDERS AND STAIRS. See Ladders and Stairs, landing

LANE MARKERS

American-Franklin-Olean Tiles, Inc., Lansdale, Pa.
American Playground Device Company, Anderson, Ind.
Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
Everwear Manufacturing Company, The, Springfield, O.
Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

Kennedy-Prince Lanes, The, Coach Edward T. Kennedy, Columbia University, New York City.
Playground Equipment Company, The, 82 Duane St., New York City.
Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

—cork

American Playground Device Company, Anderson, Ind.
Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
Everwear Manufacturing Company, The, Springfield, O.

Kennedy-Prince Lanes, The, Coach Edward T. Kennedy, Columbia University, New York City.

Playground Equipment Company, The, 82 Duane St., New York City.
Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

—tile

American-Franklin-Olean Tiles, Inc., Lansdale, Pa.

LASTEX SWIM SUITS. See Suits, Swim, Lastex

LAUNDRY BLEACHES. See Bleaches, Laundry

LAUNDRY DRAINS. See Drains, laundry

LAVATORY EQUIPMENT

Hillyard Sales Company, St. Joseph, Mo.
LEATHER WRIST SUPPORTERS. See Wrist Supporters, leather

LIFE BUOYS. See Life Preservers

LIFE GUARD CHAIRS AND WATCH TOWERS

See also Umbrellas, Beach and Life Guard

American Playground Device Company, Anderson, Ind.

Anchor Post Fence Company, Eastern Ave. and Kane St., Baltimore, Md.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Everwear Manufacturing Company, The, Springfield, O.

Giant Manufacturing Company, Council Bluffs, Iowa.

Playground Equipment Company, The, 82 Duane St., New York City.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

LIFE GUARD EQUIPMENT

See also First Aid Kits for Pool and Beach; Life Guard Chairs and Watch Towers; Life Lines; Life Preservers; Safety Equipment

American Playground Device Company, Anderson, Ind.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Everson Manufacturing Company, 214 Springfield, O.

Giant Manufacturing Company, Council Bluffs, Iowa.

Playground Equipment Company, The, 82 Duane St., New York City.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

LIFE LINES

See also Life Preservers

American Playground Device Company, Anderson, Ind.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Everwear Manufacturing Company, The, Springfield, O.

Giant Manufacturing Company, Council Bluffs, Iowa.

Playground Equipment Company, The, 82 Duane St., New York City.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

LIFE PRESERVERS

See also Life Lines

American Playground Device Company, Anderson, Ind.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Everwear Manufacturing Company, The, Springfield, O.

Giant Manufacturing Company, Council Bluffs, Iowa.

Playground Equipment Company, The, 82 Duane St., New York City.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

—balsa wood

American Playground Device Company, Anderson, Ind.

LIFE ROPE HOLDERS. See Holders, Rope**LIGHTING EQUIPMENT**

See also Commercial Lighting, Offices and Halls; Floodlights; Industrial Lighting, Pools and Locker Rooms

Benjamin Electric Manufacturing Company, Des Plaines, Ill.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

Westinghouse Electric & Manufacturing Company, (Lighting Division), 1216 West 58th St., Cleveland, O.

—buildings

Benjamin Electric Manufacturing Company, Des Plaines, Ill.

Westinghouse Electric & Manufacturing Company (Lighting Division), 1216 West 58th St., Cleveland, O. [Magna-lux; Silvurn; T.I.; G.B.; M.B.; Millite; Hi-Bay; R.L.M.]

—outdoor

Benjamin Electric Manufacturing Company, Des Plaines, Ill.

Westinghouse Electric & Manufacturing Company (Lighting Division), 1216 West 58th St., Cleveland, O. [Duolux Floodlights]

—underwater

Benjamin Electric Manufacturing Company, Des Plaines, Ill.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

Westinghouse Electric & Manufacturing Company (Lighting Division), 1216 West 58th St., Cleveland, O. [Aqualux]

LIME, CHLORIDE OF. See Chloride of Lime**LININGS, POOL**

American-Franklin-Olean Tiles, Inc., Lansdale, Pa.

Sparta Ceramic Company, The, East Sparta, O.

—clay decorative tile

Sparta Ceramic Company, The, East Sparta, O.

—decorative tile

American-Franklin-Olean Tiles, Inc., Lansdale, Pa.

Sparta Ceramic Company, The, East Sparta, O.

—tile

American-Franklin-Olean Tiles, Inc., Lansdale, Pa.

Sparta Ceramic Company, The, East Sparta, O.

LINT CATCHERS. See Interceptors, hair and lint**LIQUID SOAP. See Soap, liquid****LISLE SWIM SUITS. See Suits, Swim, lisle; Suits, Swim, racing; Suits, Swim, tank****LOCKER BASKETS. See Baskets, locker****LOCKER CHECKS**

American Playground Device Company, Anderson, Ind.

Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.

LOCKER ROOM BENCHES AND SEATS. See Benches and Seats, locker room**LOCKER ROOM LIGHTING. See Industrial Lighting, Pools and Locker Rooms; Lighting Equipment, buildings****LOCKER ROOM SHOES. See Sandals and Shoes, locker room, rubber; Sandals and Shoes, locker room, wood; Sandals and Shoes, wooden sole, shower and locker room****LOSS-OF-HEAD GAUGES**

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

LOUD SPEAKER SYSTEMS. See Reproducing Systems, Sound**LOVING CUPS**

Balfour Company, L. G., Attleboro, Mass.

LOW VELOCITY DRAIN OUTLETS. See Outlets, low velocity drain**MACHINES, POLISHING AND SCRUBBING. See Polishing Machines; Scrubbing Machines****MACHINES, SANITATION DRIP**

Hillyard Sales Company, St. Joseph, Mo.

MAIN DRAINS. See Drains, main outlet; Drains, side wall main; Outlets, main**MAINTENANCE SERVICE**

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

MANOMETERS

See also Pressure Gauges, Gas

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

Worthington-Gamon Meter Company, Harrison, N.J.

BIBLIOGRAPHY OF SWIMMING

MARBLE CLEANSER
 Certified Products Company, Inc., 500
 South 22nd St., Birmingham, Ala.
 Hillyard Sales Company, St. Joseph, Mo.

MARKERS, LANE. See Lane Markers

MASKS, DIVING
 American Playground Device Company, Anderson, Ind.
 Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
 Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

MATS
 American Playground Device Company, Anderson, Ind.
 Playground Equipment Company, The, 82 Duane St., New York City.
 Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.
 United States Rubber Company, 1790 Broadway, New York City.

—beach
 American Playground Device Company, Anderson, Ind.
 Playground Equipment Company, The, 82 Duane St., New York City.
 Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

—door. See Doormats, Cocoa

—rubber
 United States Rubber Company, 1790 Broadway, New York City.

—sponge rubber
 Playground Equipment Company, The, 82 Duane St., New York City.

MATTING, COCOA, FOR DIVING BOARDS. See Diving Boards, Towers, and Equipment, covering for boards

MATTING, RUBBER, FOR DIVING BOARDS. See Diving Boards, Towers, and Equipment, rubber matting

MATTRESSES, RUBBER (INFLATED)
 American Playground Device Company, Anderson, Ind.
 Chemical Equipment Company, 223 Center St., Los Angeles, Calif.
 Giant Manufacturing Company, Council Bluffs, Iowa.
 Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.
 United States Rubber Company, 1790 Broadway, New York City. [Ho-Hum; De Luxe; Surf Board]

MEDALS. See Awards, Medals, and Trophies

MEN'S SANDALS AND SHOES. See Sandals and Shoes, men's

MEN'S SWIM CAPS. See Caps, Swim, men's

MEN'S SWIM SUITS. See Suits, Swim, men's; Suits, Swim, trunks for men and boys

MESH SANDALS AND SHOES. See Sandals and Shoes, mesh with rubber soles

METAL BASKETS
 American Playground Device Company, Anderson, Ind.
 Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.

METAL CHECKS
 American Playground Device Company, Anderson, Ind.

Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.

METAL CLEANSERS AND POLISHES
 Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.
 Clifton Chemical Company, Inc., Clifton Building, 246 Front St., New York City.
 Hillyard Sales Company, St. Joseph, Mo.

METAL POLISH. See Metal Cleansers and Polishes

METERS, GAUGES, INDICATORS
 See also Manometers

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.
 Bailey & Company, Ltd., Sir W. H., Albion Works, Oldfield Road, Salford, 5, Lancs, Eng.
 Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
 Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.
 International Filter Company, 325 West 25th Place, Chicago, Ill.
 Wallace & Tiernan Company, Inc., Newark, N.J.
 Worthington-Gamon Meter Company, Harrison, N.J.

MILDEW-RESISTING COATINGS. See Enamel Coatings

MODERATOR VALVES. See Valves, shower

MOISTUREPROOF ELECTRICAL FIXTURES. See Electrical Fixtures

MOLDED SWIM CAPS. See Caps, Swim, molded

MOORING BUOYS. See Buoys, Depth-Marker and Mooring

MOPPING BUCKETS AND WRINGERS
 Hillyard Sales Company, St. Joseph, Mo.

MOSAIC, CERAMIC. See Ceramic Mosaic

MOSAIC, TILE
 American-Franklin-Olean Tiles, Inc., Lansdale, Pa.
 Sparta Ceramic Company, The, East Sparta, O.

MOTOR ACCESSORIES (BOAT). See Boat and Motor Accessories

MOTORS
 See also Pumps; Recirculating Plants, Pool Water (Complete); Sterilizing Plants, Pool Water (Complete); Turbines
 Cook, Inc., A. D., Lawrenceburg, Ind.
 Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
 International Filter Company, 325 West 25th Place, Chicago, Ill.
 Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.
 Worthington Pump & Machinery Corporation, Harrison, N.J.
 —boat. See Boat Motors
 —canoe. See Canoe Motors
 —outboard. See Outboard Motors

MULTIPLE DIVING BOARDS AND TOWERS. See Diving Boards, Towers, and Equipment, multiple boards and stands

MULTIPLE UNIT DRAINS. See Drains, multiple unit

MUSIC REPRODUCING SYSTEMS. See Reproducing Systems, Sound

NATATORIUM SLIDES. See Slides, natatorium

NECK BANDS, ELASTIC. See Elastic Bands for Keys and Tags

NET SANDALS AND SHOES. See Sandals and Shoes, net with rubber soles

NON-SLIP FLOOR RUNNERS. See Floor Covering, non-slip

NON-SLIP RUBBER COVERING. See Floor Covering, non-slip rubber

NON-SLIP SPONGE RUBBER COVERING. See Floor Covering, non-slip sponge rubber for walkways

NON-SLIP TILE.

- American-Franklin-Olean Tiles, Inc., Lansdale, Pa.
- Sparta Ceramic Company, The, East Sparta, O.

NOSE CLIPS.

- Fitsrite Products Company, 43-47 West 23rd St., New York City.
- Health-O-Swim Nose-Clip Company, 305 Broadway, New York City.

NOVELTIES, RUBBER.

- American Playground Device Company, Anderson, Ind.
- Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
- Playground Equipment Company, The, 82 Duane St., New York City.
- United States Rubber Company, 1790 Broadway, New York City.

NOZZLE INLETS. See Inlets, nozzle

NUMBERED CHECKS AND PINS. See Aluminum Checks; Brass Checks; Metal Checks; Pins, Identification; Tags, Identification

OCEAN WAVE DEVICE. See Waves, Water

ODOR-REMOVAL FILTERS. See Filters, odor-removal

OFFICE EQUIPMENT.

- See also Cabinets; Desks, Bathhouse; Filing Equipment; Furniture, Pool and Beach
- Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
- Hobart Cabinet Company, Troy, O.

OIL INTERCEPTORS. See Interceptors, grease and oil

OPERATING TABLES.

- International Filter Company, 325 West 25th Place, Chicago, Ill.

ORNAMENTAL INLETS. See Inlets, ornamental

ORNAMENTAL POOL FITTINGS. See Fittings, Pool, ornamental

ORTHO TOLIDINE OUTFITS. See Testing Sets

ORTHO TOLIDINE SOLUTION. See Testing Sets

OUTBOARD MOTORS.

- Evinrude Motors, Milwaukee, Wis. [Elto; Evinrude]

OUTDOOR LIGHTS. See Floodlights; Lighting Equipment, outdoor

OUTLETS.

- See also Drains
- Chemical Equipment Company, 223 Center St., Los Angeles, Calif.
- Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
- International Filter Company, 325 West 25th Place, Chicago, Ill.
- Josam Manufacturing Company, 1783 East 11th St., Cleveland, O. [Josam Ejector]
- angle type main and scum gutter

EV

- Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
- International Filter Company, 325 West 25th Place, Chicago, Ill.
- Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.
- ejector
- Josam Manufacturing Company, 1783 East 11th St., Cleveland, O. [Josam Ejector]
- low velocity drain
- Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.
- main
- Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
- International Filter Company, 325 West 25th Place, Chicago, Ill.
- Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.
- overflow
- Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
- International Filter Company, 325 West 25th Place, Chicago, Ill.
- Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.
- vacuum cleaner. See Vacuum Cleaner Units

OVERFLOW DRAINS. See Drains, overflow

OVERFLOW OUTLETS. See Outlets, overflow

OVERSHOE RACKS. See Racks, Overshoe

PADDLE BOARDS. See Flutter Boards

PAINT.

- Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.
- Chemical Equipment Company, 223 Center St., Los Angeles, Calif.
- Hillyard Sales Company, St. Joseph, Mo.
- Inertol Company, Inc., 401 Broadway, New York City.
- asphalt sealing
- Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.
- Hillyard Sales Company, St. Joseph, Mo.
- Inertol Company, Inc., 401 Broadway, New York City. [Ramuc Sealer]
- cement
- Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.
- Hillyard Sales Company, St. Joseph, Mo.
- Inertol Company, Inc., 401 Broadway, New York City. [Ramuc]
- concrete swimming pool
- Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.
- Chemical Equipment Company, 223 Center St., Los Angeles, Calif. [Aqua-Paint]
- Hillyard Sales Company, St. Joseph, Mo.
- Inertol Company, Inc., 401 Broadway, New York City. [Ramuc]
- filler tank
- Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.
- Inertol Company, Inc., 401 Broadway, New York City. [Inertol]
- floor
- Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.
- Hillyard Sales Company, St. Joseph, Mo.

BIBLIOGRAPHY OF SWIMMING

PAINT—Continued

—floor

Inertol Company, Inc., 401 Broadway, New York City. [Ramuc]

—furniture

Inertol Company, Inc., 401 Broadway, New York City. [Incolite]

—steel swimming pool

Inertol Company, Inc., 401 Broadway, New York City. [Torex]

—water tank

Inertol Company, Inc., 401 Broadway, New York City. [Inertol]

—waterproof

Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.

Hillyard Sales Company, St. Joseph, Mo.

Inertol Company, Inc., 401 Broadway, New York City. [Ramuc]

PANELS, TILE

American-Franklin-Olean Tiles, Inc., Lansdale, Pa.

Sparta Ceramic Company, The, East Sparta, O.

PAPER TOWEL CABINETS. See Cabinets, paper towel

PELICANS. See Animals, Water, Rubber, pelicans

PHENOL RED INDICATOR SOLUTION. See Testing Sets

PICK UP PAN AND SQUEEGEE

Hillyard Sales Company, St. Joseph, Mo.

PINS, AWARD

Balfour Company, L. G., Attleboro, Mass.

PINS, IDENTIFICATION

American Playground Device Company, Anderson, Ind.

Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.

PIPE CONNECTIONS. See Connections, Pipe

PIPE RAILINGS. See Railings, Pipe

PIPE SOLVENT. See Drain Solvent

PLAQUES

Balfour Company, L. G., Attleboro, Mass.

PLAY SUITS FOR BABIES AND CHILDREN. See Suits, Swim, babies'; Suits, Swim, children's

PLAYGROUND EQUIPMENT

See also Domes, Shower and Spray

American Playground Device Company, Anderson, Ind.

Anchor Post Fence Company, Eastern Ave. and Kane St., Baltimore, Md.

Everwear Manufacturing Company, The, Springfield, O.

Giant Manufacturing Company, Council Bluffs, Iowa.

Playground Equipment Company, The, 82 Duane St., New York City.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

United States Rubber Company, 1790 Broadway, New York City.

POLES, RESCUE. See Rescue Poles

POLISH, FLOOR, FURNITURE, AND WOODWORK

See also Metal Cleaners and Polishes

Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.

Clifton Chemical Company, Inc., Clifton Building, 246 Front St., New York City.

Hillyard Sales Company, St. Joseph, Mo.

POLISHING MACHINES

Hillyard Sales Company, St. Joseph, Mo.

POLO BALLS

United States Rubber Company, 1790 Broadway, New York City.

POOL FURNITURE. See Furniture, Pool and Beach

PORTABLE BLEACHERS. See Bleachers, portable

PORTABLE PUMPS FOR VACUUM CLEANERS. See Pumps, portable for vacuum cleaners

POSTS, FENCE

Anchor Post Fence Company, Eastern Ave. and Kane St., Baltimore, Md.

POTASH ALUM. See Alum, potash

POTS, ALUM. See Coagulant Feeders

POWDERED CHLORINE. See Chlorine, powder

POWDERED SOAP. See Soap, powdered

POWDERS, SCRUBBING. See Scrubbing Compounds and Powders

PRESERVERS, FLOOR. See Floor Cleaners, Preservers and Renewers

PRESSURE FILTERS. See Filters, pressure

PRESSURE GAUGES, GAS

See also Manometers

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Bailey & Company, Ltd., Sir W. H., Albion Works, Oldfield Road, Salford, 5, Lancs, Eng.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Worthington-Gamon Meter Company, Harrison, N.J.

PRESSURE LINE SHOCK ABSORBERS. See Shock Absorbers, Piping

PRIZES

Balfour Company, L. G., Attleboro, Mass.

PROJECTORS, FLOODLIGHT. See Floodlights

PROMENADE DRAINS. See Drains, walkway

PROTECTORS, PUMP

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

PUMP PROTECTORS. See Protectors, Pump

PUMPS

See also Motors; Recirculating Plants, Pool Water (Complete); Sterilizing Plants, Pool Water (Complete); Turbines; Waterboy Pumps

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Bailey & Company, Ltd., Sir W. H., Albion Works, Oldfield Road, Salford, 5, Lancs, Eng.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Cook, Inc., A. D., Lawrenceburg, Ind.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

Worthington Pump & Machinery Corporation, Harrison, N.J.

- centrifugal
 - American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.
 - Bailey & Company, Ltd., Sir W. H., Albion Works, Oldfield Road, Salford, 5, Lancs, Eng.
 - Worthington Pump & Machinery Corporation, Harrison, N.J.
- deep-well
 - Bailey & Company, Ltd., Sir W. H., Albion Works, Oldfield Road, Salford, 5, Lancs, Eng.
 - Cook, Inc., A. D., Lawrenceburg, Ind.
 - Worthington Pump & Machinery Corporation, Harrison, N.J.
- portable for vacuum cleaners
 - International Filter Company, 325 West 25th Place, Chicago, Ill.
 - Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.
- power
 - Bailey & Company, Ltd., Sir W. H., Albion Works, Oldfield Road, Salford, 5, Lancs, Eng.
 - Cook, Inc., A. D., Lawrenceburg, Ind.
 - International Filter Company, 325 West 25th Place, Chicago, Ill.
 - Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.
 - Worthington Pump & Machinery Corporation, Harrison, N.J.
- water-circulating
 - American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.
 - Bailey & Company, Ltd., Sir W. H., Albion Works, Oldfield Road, Salford, 5, Lancs, Eng.
 - Cook, Inc., A. D., Lawrenceburg, Ind.
 - Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
 - International Filter Company, 325 West 25th Place, Chicago, Ill.
 - Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.
 - Worthington Pump & Machinery Corporation, Harrison, N.J.
- RACING LANE MARKERS. See Lane Markers
- RACING SUITS. See Suits, Swim, racing; Suits, Swim, silk racing
- RACKS, BASKET
 - Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.
- RACKS, COAT
 - Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.
- RACKS, HAT
 - Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.
- RACKS, OVERSHOE
 - Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.
- RACKS, UMBRELLA
 - Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.
- RAFTS
 - American Playground Device Company, Anderson, Ind.
 - United States Rubber Company, 1790 Broadway, New York City.
- rubber
 - United States Rubber Company, 1790 Broadway, New York City.
- RAILINGS, PIPE
 - American Playground Device Company, Anderson, Ind.
- RECESSED LADDERS AND STAIRS. See Ladders and Stairs, recessed
- RECIRCULATING PLANTS, POOL WATER (COMPLETE)
 - See also Motors; Pumps; Recirculation Ejector and Inlets; Sterilizing Plants, Pool Water (Complete); Turbines
 - American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.
 - Bacharach & Company, E. W., 800 Rialto Building, Kansas City, Mo.
 - Chemical Equipment Company, 223 Center St., Los Angeles, Calif.
 - Cook, Inc., A. D., Lawrenceburg, Ind.
 - Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
 - International Filter Company, 325 West 25th Place, Chicago, Ill. [Infilco]
 - Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.
 - Wallace & Tiernan Company, Inc., Newark, N.J.
- RECIRCULATING PUMPS. See Motors; Pumps; Recirculating Plants, Pool Water (Complete); Turbines
- RECIRCULATING EJECTOR AND INLETS
 - Josam Manufacturing Company, 1783 East 11th St., Cleveland, O. [Josam Ejector and Inlets]
- RECREATIONAL EQUIPMENT
 - See also Domes, Shower and Spray; Playground Equipment; also under specific items such as Balls, Water; Toys, Water; etc.
 - American Playground Device Company, Anderson, Ind.
 - Anchor Post Fence Company, Eastern Ave. and Kane St., Baltimore, Md.
 - Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
 - Everwear Manufacturing Company, The, Springfield, O.
 - Giant Manufacturing Company, Council Bluffs, Iowa.
 - Playground Equipment Company, The, 82 Duane St., New York City.
 - Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.
 - United States Rubber Company, 1790 Broadway, New York City.
- REFILLS, FILTER. See Filter Refills
- REFLECTORS. See Floodlights; Lighting Equipment
- REMOVERS, RUST. See Rust Removers
- RENEWERS, FLOOR AND FURNITURE. See Finishes; Floor Cleansers, Preservers, and Renewers; Furniture Renewer
- REPRODUCING SYSTEMS, SOUND
 - Giant Manufacturing Company, Council Bluffs, Iowa.
- RESCUE POLES
 - American Playground Device Company, Anderson, Ind.

BIBLIOGRAPHY OF SWIMMING

RESCUE POLES—Continued

- Everson Manufacturing Company, 214
West Huron St., Chicago, Ill.
- Giant Manufacturing Company, Council Bluffs, Iowa.
- Recreation Equipment Company, 724-28
West 8th St., Anderson, Ind.

RESIDUAL CHLORINE TESTING SET. See Testing Sets

RESPIRATORS. See Resuscitator, Inhalator and Aspirator, Combination

RESUSCITATOR, INHALATOR AND ASPIRATOR, COMBINATION

- E & J Company of New York, 101 Park Ave., New York City.

RETAINERS, BEACH SAND

- Cook, Inc., A. D., Lawrenceburg, Ind.

RINGS, RUBBER

- United States Rubber Company, 1790
Broadway, New York City. [U.S.
Swim-Rite; U.S. Peerless; U.S. Ace]
- cat's head
- United States Rubber Company, 1790
Broadway, New York City.
- clown's head
- United States Rubber Company, 1790
Broadway, New York City.
- fish
- United States Rubber Company, 1790
Broadway, New York City.
- frog
- United States Rubber Company, 1790
Broadway, New York City.
- seal
- United States Rubber Company, 1790
Broadway, New York City.
- star
- United States Rubber Company, 1790
Broadway, New York City.
- wheel
- United States Rubber Company, 1790
Broadway, New York City.

ROOF COATING

- Hillyard Sales Company, St. Joseph, Mo.

ROOF DRAINS. See Drains, roof; Drains, vent stack sleeves

ROPE HOLDERS, LIFE. See Holders, Rope

RUBBER ANIMALS. See Animals, Water, Rubber

RUBBER BOATS. See Boats, Rubber

RUBBER FLOOR COVERING. See Floor Covering

RUBBER FOOT TRAYS. See Foot Baths, rubber

RUBBER HOSE, WATER. See Hose, Rubber, Water

RUBBER MATS. See Mats, rubber; Mats, sponge rubber

RUBBER MATTRESSES. See Mattresses, Rubber

RUBBER NOVELTIES. See Novelties, Rubber

RUBBER RAFTS. See Rafts, rubber

RUBBER RINGS. See Rings, Rubber

RUBBER RUNNERS FOR WALKWAYS. See Floor Covering, non-slip sponge rubber for walkways

RUBBER SANDALS AND SHOES. See Sandals and Shoes, rubber

RUBBER SEAT CUSHIONS. See Seat Cushions, Rubber

RUBBER SURF BOARDS. See Surf Boards, rubber

RUBBER SWIM SUITS. See Suits, Swim, Krepe-Tex; Suits, Swim, rubber; Suits, Swim, trunks for men and boys

RUBBER TOYS. See Animals, Water, Rubber; Toys, Water

RUBBISH BURNERS. See Incinerators

RUNNERS, RUBBER, FOR WALKWAYS. See Floor Covering, non-slip sponge rubber for walkways

RUNWAYS, TILE

- American-Franklin-Olean Tiles, Inc., Lansdale, Pa.
- Sparta Ceramic Company, The, East Sparta, O.

RUST REMOVERS

- Certified Products Company, Inc., 500
South 22nd St., Birmingham, Ala.
- Hillyard Sales Company, St. Joseph, Mo.

SAFETY EQUIPMENT

- See also Life Guard Chairs and Watch Towers; Life Guard Equipment; Life Lines; Life Preservers
- American Playground Device Company, Anderson, Ind.
- Everson Manufacturing Company, 214
West Huron St., Chicago, Ill.
- Everwear Manufacturing Company, The, Springfield, O.
- Playground Equipment Company, The, 82
Duane St., New York City.
- Recreation Equipment Company, 724-28
West 8th St., Anderson, Ind.

SAL SODA

- See also Sulphate of Alumina Sal Soda (Iron Free)
- Everson Manufacturing Company, 214
West Huron St., Chicago, Ill.
- International Filter Company, 325 West
25th Place, Chicago, Ill.

SAND, FILTER. See Filter Sand

SANDALS, RUBBER. See Sandals and Shoes, beach; Sandals and Shoes, locker room, rubber; Sandals and Shoes, pool

SANDALS AND SHOES

- Chemical Equipment Company, 223 Center
St., Los Angeles, Calif.
- Reece Wooden Sole Shoe Company, Columbus, Neb.
- United States Rubber Company, 1790
Broadway, New York City.
- beach
- Reece Wooden Sole Shoe Company, Columbus, Neb.
- United States Rubber Company, 1790
Broadway, New York City.
- cloth-top
- United States Rubber Company, 1790
New York City. [U.S. Swim Shoes]
- locker room, rubber
- United States Rubber Company, 1790
Broadway, New York City.
- locker room, wood
- Reece Wooden Sole Shoe Company, Columbus, Neb.
- men's
- Reece Wooden Sole Shoe Company, Columbus, Neb.
- United States Rubber Company, 1790
Broadway, New York City.

- mesh with rubber soles
 - United States Rubber Company, 1790 Broadway, New York City. [U.S. Swim Shoes]
- net with rubber soles
 - United States Rubber Company, 1790 Broadway, New York City. [U.S. Swim Shoes]
- pool
 - Reece Wooden Sole Shoe Company, Columbus, Neb.
 - United States Rubber Company, 1790 Broadway, New York City.
- rubber
 - Chemical Equipment Company, 223 Center St., Los Angeles, Calif.
 - United States Rubber Company, 1790 Broadway, New York City. [U.S. Strollers; U.S. Beach and Swim Shoes]
- wooden sole, bath
 - Reece Wooden Sole Shoe Company, Co-AReece Wooden Sole Shoe Company, Columbus, Neb.
- wooden sole, beach
 - Reece Wooden Sole Shoe Company, Columbus, Neb.
- wooden sole, shower and locker room
 - Reece Wooden Sole Shoe Company, Columbus, Neb.
- SANITATION DRIP MACHINES.** See Machines, Sanitation Drip
- SCRUBBING BRUSHES**
 - Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.
 - Hillyard Sales Company, St. Joseph, Mo.
- SCRUBBING COMPOUNDS AND POWDERS**
 - See also Chemicals, sterilizing floors, lockers, and surroundings; Deodorants; Disinfectants; Urinal Cakes
 - Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.
 - Hillyard Sales Company, St. Joseph, Mo.
- SCRUBBING MACHINES**
 - Hillyard Sales Company, St. Joseph, Mo.
- SCUM GUTTER DRAINS.** See Drains, scum gutter
- SCUM GUTTERS, TILE**
 - American-Franklin-Olean Tiles, Inc., Lansdale, Pa.
 - Sparta Ceramic Company, The, East Sparta, O.
- SEALS.** See Animals, Water, Rubber, seals; Rings, Rubber, seal
- SEALS, CEMENT**
 - Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.
 - Hillyard Sales Company, St. Joseph, Mo.
- SEALS, TERRAZZO**
 - Hillyard Sales Company, St. Joseph, Mo.
- SEAT CUSHIONS, RUBBER**
 - United States Rubber Company, 1790 Broadway, New York City.
- SEATS.** See Benches and Seats
- SEDIMENT INTERCEPTORS.** See Interceptors, sediment
- SEDIMENT REMOVERS.** See Vacuum Cleaners
- SETTEES**
 - American Playground Device Company, Anderson, Ind.
 - Everwear Manufacturing Company, The, Springfield, O.
- Giant Manufacturing Company, Council Bluffs, Iowa.
- Playground Equipment Company, The, 82 Duane St., New York City.
- SEWER VALVES.** See Valves, sewer
- SHALLOW TANK CAPS.** See Caps, Swim, tank, shallow
- SHELVING**
 - Hobart Cabinet Company, Troy, O.
 - Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.
- steel
 - Hobart Cabinet Company, Troy, O.
 - Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.
- SHEPHERD'S CROOKS.** See Rescue Poles
- SHOCK ABSORBERS, PIPING**
 - Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.
- SHOES.** See Sandals and Shoes
- SHOWER CAPS.** See Caps, Swim, shower
- SHOWER DOMES.** See Domes, Shower and Spray
- SHOWER DRAINS.** See Drains, shower
- SHOWER ROOM LIGHTING.** See Industrial Lighting, Pools and Locker Rooms; Lighting Equipment, buildings
- SHOWER STRAINERS.** See Strainers, shower
- SHOWER VALVES.** See Valves, shower
- SIGHT GLASSES.** See Filters
- SILK RACING SUITS.** See Suits, Swim, silk racing
- SKIMMER SPRAYS.** See Sprays, Water, skimmer
- SKIMMERS, POOR.**
 - American Playground Device Company, Anderson, Ind.
 - Chemical Equipment Company, 223 Center St., Los Angeles, Calif.
 - Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
 - Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.
 - Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.
- SLIDES**
 - American Playground Device Company, Anderson, Ind.
 - Anchor Post Fence Company, Eastern Ave. and Kane St., Baltimore, Md.
 - Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
 - Everwear Manufacturing Company, The, Springfield, O.
 - Giant Manufacturing Company, Council Bluffs, Iowa.
 - Playground Equipment Company, The, 82 Duane St., New York City.
 - Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.
- lake bottom
 - American Playground Device Company, Anderson, Ind.
 - Anchor Post Fence Company, Eastern Ave. and Kane St., Baltimore, Md.
 - Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
 - Everwear Manufacturing Company, The, Springfield, O.

BIBLIOGRAPHY OF SWIMMING

SLIDES—Continued

Giant Manufacturing Company, Council Bluffs, Iowa.

Playground Equipment Company, The, 82 Duane St., New York City.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

—natatorium

American Playground Device Company, Anderson, Ind.

Anchor Post Fence Company, Eastern Ave. and Kane St., Baltimore, Md.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Everwear Manufacturing Company, The, Springfield, O.

Giant Manufacturing Company, Council Bluffs, Iowa.

Playground Equipment Company, The, 82 Duane St., New York City.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

—pool

American Playground Device Company, Anderson, Ind.

Anchor Post Fence Company, Eastern Ave. and Kane St., Baltimore, Md.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Everwear Manufacturing Company, The, Springfield, O.

Giant Manufacturing Company, Council Bluffs, Iowa.

Playground Equipment Company, The, 82 Duane St., New York City.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

—toboggan

American Playground Device Company, Anderson, Ind.

Anchor Post Fence Company, Eastern Ave. and Kane St., Baltimore, Md.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Everwear Manufacturing Company, The, Springfield, O.

Giant Manufacturing Company, Council Bluffs, Iowa.

Playground Equipment Company, The, 82 Duane St., New York City.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

SOAP

Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.

Clifton Chemical Company, Inc., Clifton Building, 246 Front St., New York City.

Hillyard Sales Company, St. Joseph, Mo.

—cake

Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.

Clifton Chemical Company, Inc., Clifton Building, 246 Front St., New York City.

—liquid

Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.

Clifton Chemical Company, Inc., Clifton Building, 246 Front St., New York City. [Foamwell]

Hillyard Sales Company, St. Joseph, Mo.

—powdered

Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.

Hillyard Sales Company, St. Joseph, Mo.

—surgical

Hillyard Sales Company, St. Joseph, Mo.

SOAP DISPENSERS

Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.

Clifton Chemical Company, Inc., Clifton Building, 246 Front St., New York City.

Hillyard Sales Company, St. Joseph, Mo.

SODA, HYPOSULPHITE OF. See Hyposulphite of Soda

SODA ASH

Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Mathieson Alkali Works (Inc.), The, 60 East 42nd St., New York City.

SODIUM HYPOCHLORITE

American Playground Device Company, Anderson, Ind.

Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Mathieson Alkali Works (Inc.), The, 60 East 42nd St., New York City.

Wallace & Tiernan Company, Inc., Newark, N.J.

SOLUTIONS, FOOT BATH. See Chemicals, foot bath

SOLVENT FOR DRAINS. See Drain Solvent

SOUND REPRODUCING SYSTEMS. See Reproducing Systems, Sound

SPEED BOAT MOTORS

Evinrude Motors, Milwaukee, Wis.

SPONGE RUBBER MATS. See Mats, sponge rubber

SPONGE RUBBER WALKWAY COVERING. See Floor Covering, non-slip sponge rubber for walkways

SPOUTS, FOUNTAIN

Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

SPRAY DOMES. See Domes, Shower and Spray

SPRAY INLETS. See Inlets, spray; Sprays, Water, inlet

SPRAYS, DEODORIZING

See also Deodorants

Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.

Clifton Chemical Company, Inc., Clifton Building, 246 Front St., New York City.

Hillyard Sales Company, St. Joseph, Mo.

SPRAYS, WATER

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

—aeration dome

Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

—dome
Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

—inlet
American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

—skimmer
Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

SPRINGBOARD COVERING. See Diving Boards, Towers, and Equipment, covering for boards

SPRINGBOARDS. See Diving Boards, Towers, and Equipment, boards

SQUEEGEES
See also Pick Up Pan and Squeegee Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.

Hillyard Sales Company, St. Joseph, Mo.

STAIR TREADS, TILE
American-Franklin-Olean Tiles, Inc., Lansdale, Pa.

Sparta Ceramic Company, The, East Sparta, O.

STAIRS. See Ladders and Stairs

STANDS, DIVING. See Diving Boards, Towers, and Equipment, stands; Diving Boards, Towers, and Equipment, multiple boards and stands

STAR RINGS. See Rings, Rubber, star

STEAM HEATERS. See Heaters, Water and Bathhouse; Heating Systems, Steam

STEEL BASKETS, GALVANIZED
Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.

STEEL COUNTERS. See Counters, Steel

STEEL SHELVING. See Shelving, steel

STEEL SWIMMING POOL PAINT. See Paint, steel swimming pool

STEEL WATER ANIMALS. See Animals, Water, Steel

STEPS. See Ladders and Stairs

STERILIZING, CHEMICALS FOR. See Chemicals, sterilizing floors, lockers, and surroundings; Chemicals, sterilizing pool water; Chemicals, sterilizing suits and towels; Disinfectants

STERILIZING PLANTS, POOL WATER (COMPLETE)
See also Recirculating Plants, Pool Water (Complete)

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Bacharach & Company, E. W., 800 Rialto Building, Kansas City, Mo.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

Wallace & Tiernan Company, Inc., Newark, N.J.

STOPPLES, EAR. See Ear Stopples

STRAINER HEADS. See Strainers

STRAINERS
See also Interceptors
American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Bacharach & Company, E. W., 800 Rialto Building, Kansas City, Mo.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Cook, Inc., A. D., Lawrenceburg, Ind. [To hold back beach sand]

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

Warren Webster & Company, 17th and Federal Sts., Camden, N.J.

—floor
Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

—shower
Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

—urinal
Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

STRAINERS, AIR
Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

Westinghouse Electric & Manufacturing Company (Lighting Division), 1216 West 58th St., Cleveland, O.

—dome
Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

—floor
Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.

STRAPLESS SWIM CAPS. See Caps, Swim, strapless

STRIPS, TILE
American-Franklin-Olean Tiles, Inc., Lansdale, Pa.

Sparta Ceramic Company, The, East Sparta, O.

SUITS, SWIM
Aldrich & Aldrich, Inc., 1857-61 Milwaukee Ave., Chicago, Ill.

Bradley Knitting Company, Delavan, Wis.

Gantner & Mattern Company, 1453 Mission St., San Francisco, Calif. [More Swims per Dollar]

Indera Mills Company, Winston-Salem, N.C. [Indera Figurfit Swim Suits and Trunks]

United States Rubber Company, 1790 Broadway, New York City.

—babies'
Gantner & Mattern Company, 1453 Mission St., San Francisco, Calif. [Gantner Suits]

United States Rubber Company, 1790 Broadway, New York City. [U.S. Swim Suits]

—boys'
Aldrich & Aldrich, Inc., 1857-61 Milwaukee Ave., Chicago, Ill.

Bradley Knitting Company, Delavan, Wis.

BIBLIOGRAPHY OF SWIMMING

Suits, Swim—Continued

- boys'—Continued
- Gantner & Mattern Company, 1453 Mission St., San Francisco, Calif. [Gantner Suits]
- Indera Mills Company, Winston-Salem, N.C. [Indera Figurfit Swim Suits and Trunks]
- United States Rubber Company, 1790 Broadway, New York City. [U.S. Swim Suits]
- children's. See also Suits, Swim, babies'; Suits, Swim, boys'; Suits, Swim, girls'; Aldrich & Aldrich, Inc., 1857-61 Milwaukee Ave., Chicago, Ill.
- Bradley Knitting Company, Delavan, Wis.
- Gantner & Mattern Company, 1453 Mission St., San Francisco, Calif. [Gantner Suits]
- Indera Mills Company, Winston-Salem, N.C. [Indera Figurfit Swim Suits and Trunks]
- United States Rubber Company, 1790 Broadway, New York City. [U.S. Swim Suits]
- cotton
- Aldrich & Aldrich, Inc., 1857-61 Milwaukee Ave., Chicago, Ill.
- Gantner & Mattern Company, 1453 Mission St., San Francisco, Calif. [Gantner Suits]
- Indera Mills Company, Winston-Salem, N.C. [Indera Figurfit Swim Suits and Trunks]
- girls'
- Aldrich & Aldrich, Inc., 1857-61 Milwaukee Ave., Chicago, Ill.
- Bradley Knitting Company, Delavan, Wis.
- Gantner & Mattern Company, 1453 Mission St., San Francisco, Calif. [Gantner Suits]
- Indera Mills Company, Winston-Salem, N.C. [Indera Figurfit Swim Suits and Trunks]
- United States Rubber Company, 1790 Broadway, New York City. [U.S. Swim Suits]
- Krepe-Tex
- United States Rubber Company, 1790 Broadway, New York City. [U.S. Krepe-Tex]
- Lastex
- Gantner & Mattern Company, 1453 Mission St., San Francisco, Calif. [Gantner Lastex Suits]
- lisle
- Gantner & Mattern Company, 1453 Mission St., San Francisco, Calif. [Featherweight Sea Island Lisle]
- men's. See also Suits, Swim, trunks for men and boys'
- Aldrich & Aldrich, Inc., 1857-61 Milwaukee Ave., Chicago, Ill.
- Bradley Knitting Company, Delavan, Wis.
- Gantner & Mattern Company, 1453 Mission St., San Francisco, Calif. [Gantner Suits]
- Indera Mills Company, Winston-Salem, N.C. [Indera Figurfit Swim Suits and Trunks]
- United States Rubber Company, 1790 Broadway, New York City. [U.S. Latex]
- racing
- Gantner & Mattern Company, 1453 Mission St., San Francisco, Calif. [Featherweight Sea Island Lisle; Gantner Glove Silk]
- rubber. See also Suits, Swim, Krepe-Tex
- United States Rubber Company, 1790 Broadway, New York City. [U.S. Swim Suits; U.S. Sea Net; U.S. Krepe-Tex]
- silk racing
- Gantner & Mattern Company, 1453 Mission St., San Francisco, Calif. [Gantner Glove Silk]
- tank
- Aldrich & Aldrich, Inc., 1857-61 Milwaukee Ave., Chicago, Ill.
- Bradley Knitting Company, Delavan, Wis.
- Gantner & Mattern Company, 1453 Mission St., San Francisco, Calif. [Gantner Suits; Featherweight Sea Island Lisle]
- Indera Mills Company, Winston-Salem, N.C. [Indera Figurfit Swim Suits and Trunks]
- United States Rubber Company, 1790 New York City. [U.S. Swim Suits]
- trunks for men and boys
- Aldrich & Aldrich, Inc., 1857-61 Milwaukee Ave., Chicago, Ill.
- Bradley Knitting Company, Delavan, Wis.
- Gantner & Mattern Company, 1453 Mission St., San Francisco, Calif. [Wikies; Bo'sun's; Hi-Boys; Lo-Boys; Lo-Wikies]
- Indera Mills Company, Winston-Salem, N.C. [Indera Figurfit Swim Suits and Trunks]
- United States Rubber Company, 1790 Broadway, New York City. [U.S. Latex]
- women's
- Aldrich & Aldrich, Inc., 1857-61 Milwaukee Ave., Chicago, Ill.
- Bradley Knitting Company, Delavan, Wis.
- Gantner & Mattern Company, 1453 Mission St., San Francisco, Calif. [Gantner Floating Bra; Gantner Sea Crystal of Satin Lastex; Gantner Satin Lastex; Gantner Banda-Wikies; Gantner Mail-lots]
- Indera Mills Company, Winston-Salem, N.C. [Indera Figurfit Swim Suits and Trunks]
- United States Rubber Company, 1790 Broadway, New York City. [U.S. Swim Suits; U.S. Sea Net; U.S. Krepe-Tex]
- woolen
- Bradley Knitting Company, Delavan, Wis.
- Gantner & Mattern Company, 1453 Mission St., San Francisco, Calif. [Gantner Suits]
- Indera Mills Company, Winston-Salem, N.C. [Indera Figurfit Swim Suits and Trunks]

SULPHATE OF ALUMINA (COMMERCIAL) 214
 Everson Manufacturing Company, 214
 West Huron St., Chicago, Ill.
 International Filter Company, 325 West
 25th Place, Chicago, Ill.

SULPHATE OF ALUMINA SAL SODA (IRON FREE) 214
 Everson Manufacturing Company, 214
 West Huron St., Chicago, Ill.
 International Filter Company, 325 West
 25th Place, Chicago, Ill.

SUN SUITS FOR BABIES AND CHILDREN. See
 Suits, Swim, babies'; Suits, Swim, chil-
 dren's

SUN VISORS. See Visors, Sun

SUPPORTERS, ATHLETIC. See Swim Supporters

SURF BOARDS
 American Playground Device Company,
 Anderson, Ind.
 Everson Manufacturing Company, 214
 West Huron St., Chicago, Ill.
 United States Rubber Company, 1790
 Broadway, New York City.
 —balsa wood
 American Playground Device Company,
 Anderson, Ind.
 —rubber
 United States Rubber Company, 1790
 Broadway, New York City. [U.S. Waterboy Surf Board; U.S. Waterboy
 Shark Surf Board]

SURGICAL SOAP. See Soap, surgical

SUSPENSORIES. See Swim Supporters

SWANS. See Animals, Water, Rubber, swans

SWIM CAPS. See Caps, Swim

SWIM SUITS. See Suits, Swim

SWIM SUPPORTERS
 See also Girdles, Swim
 Fitrite Products Company, 43-47 West
 23rd St., New York City.
 United States Rubber Company, 1790
 Broadway, New York City.

SWIM TEACHER, RUBBER
 United States Rubber Company, 1790
 Broadway, New York City. [U.S.
 Howland Swim Teacher]

SWINGS, WATER
 American Playground Device Company,
 Anderson, Ind.
 Everwear Manufacturing Company, The,
 Springfield, O.
 Giant Manufacturing Company, Council
 Bluffs, Iowa.

SYNTHETIC ZEOLITE
 American Water Softener Company, 2670
 North 4th St., Philadelphia, Pa.
 International Filter Company, 325 West
 25th Place, Chicago, Ill.
 Lakeside Engineering Corporation, 222
 West Adams St., Chicago, Ill.

TABLES, OPERATING. See Operating Tables

TAGS, IDENTIFICATION
 American Playground Device Company,
 Anderson, Ind.

Vogel-Peterson Company, Inc., 1801 North
 Lincoln St., Chicago, Ill.

TANK CAPS. See Caps, Swim, tank; Caps,
 Swim, tank, shallow

TANK PAINT. See Paint, filler tank; Paint,
 water tank

TANK SUITS. See Suits, Swim, tank

TASTE-REMOVAL FILTERS. See Filters, taste-
 removal

TEMPERATURE CONTROL EQUIPMENT
 Everson Manufacturing Company, 214
 West Huron St., Chicago, Ill.
 —water
 Everson Manufacturing Company, 214
 West Huron St., Chicago, Ill.

**TERRA COTTA (GLAZED AND UNGLAZED, ENAM-
 ELED, ETC.)**
 American-Franklin-Olean Tiles, Inc., Lans-
 dale, Pa.

TERRAZZO CLEANERS
 Hillyard Sales Company, St. Joseph, Mo.

TERRAZZO SEALS
 Hillyard Sales Company, St. Joseph, Mo.

TEST TUBES. See Testing Sets

TESTING SETS (pH CHLORINE, ETC.)
 See also Chlorimeters
 American Playground Device Company,
 Anderson, Ind.
 American Water Softener Company, 2670
 North 4th St., Philadelphia, Pa.
 Chemical Equipment Company, 223 Center
 St., Los Angeles, Calif.
 Everson Manufacturing Company, 214
 West Huron St., Chicago, Ill.
 Hygeia Filter Company, 3422-3440 Denton
 Ave., Detroit, Mich.
 International Filter Company, 325 West
 25th Place, Chicago, Ill.
 Lakeside Engineering Corporation, 222
 West Adams St., Chicago, Ill.
 Recreation Equipment Company, 724-28
 West 8th St., Anderson, Ind.
 Taylor & Company, Inc., W. A., 872 Linden
 Ave., Baltimore, Md.
 Wallace & Tiernan Company, Inc., Newark,
 N.J.

TILE
 See also Borders, Tile; Ceramic Mosaic;
 Flooring, Tile; Glazed Tile; Ladders
 and Stairs; Lane Markers; Linings,
 Pool; Mosaic, Tile; Non-Slip Tile;
 Panels, Tile; Runways, Tile; Scum
 Gutters, Tile; Stair Treads, Tile;
 Strips, Tile; Terra Cotta; Unglazed
 Tile; Wainscoating, Tile; Walkways,
 Tile; Walls, Tile
 American-Franklin-Olean Tiles, Inc., Lans-
 dale, Pa.
 Sparta Ceramic Company, The, East
 Sparta, O.
 —clay decorative borders, liners, panels,
 signs, strips
 Sparta Ceramic Company, The, East
 Sparta, O.
 —decorative
 American-Franklin-Olean Tiles, Inc., Lans-
 dale, Pa.
 Sparta Ceramic Company, The, East
 Sparta, O.
 —lane markers. See Lane Markers, tile
 —non-slip
 America-Franklin-Olean Tiles, Inc., Lans-
 dale, Pa.
 Sparta Ceramic Company, The, East
 Sparta, O.

TILE CLEANSER

Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.
Clifton Chemical Company, Inc., Clifton Building, 246 Front St., New York City.

Hillyard Sales Company, St. Joseph, Mo.

TILE-LIKE FINISHES. See Finishes, tile-like**TOBOGGAN SLIDES, WATER.** See Slides, toboggan**TOILET PAPER CABINETS.** See Cabinets, toilet paper**TOPS, WATER**

American Playground Device Company, Anderson, Ind.

TOWERS, DIVING. See Diving Boards, Towers, and Equipment, stands; Diving Boards, Towers, and Equipment, multiple boards and stands**TOWERS, LIFE GUARD.** See Life Guard Chairs and Watch Towers**TOYS, WATER**

See also Animals, Water; Animals, Water, Rubber; Animals, Water, Steel; Balls, Water

American Playground Device Company, Anderson, Ind.

Giant Manufacturing Company, Council Bluffs, Iowa.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

United States Rubber Company, 1790 Broadway, New York City.

TRAPEZE

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

TRENCH DRAINS. See Drains, trench**TRI-FILTER CONTROL VALVE.** See Valves, tri-filter control**TROPHIES.** See Awards, Medals, and Trophies**TRUNKS FOR MEN AND BOYS.** See Suits, Swim, trunks for men and boys**TURBINES**

See also Motors; Pumps; Recirculating Plants, Pool Water (Complete)

Cook, Inc., A. D., Lawrenceburg, Ind.
Worthington Pump & Machinery Corporation, Harrison, N.J.

—deep-well

Cook, Inc., A. D., Lawrenceburg, Ind.
Worthington Pump & Machinery Corporation, Harrison, N.J.

TURNSTILES

Bailey & Company, Ltd., Sir W. H., Albion Works, Oldfield Road, Salford, 5, Lancs, Eng.

UMBRELLA RACKS. See Racks, Umbrella**UMBRELLAS, BEACH AND LIFE GUARD**

American Playground Device Company, Anderson, Ind.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Everwear Manufacturing Company, The, Springfield, O.

Playground Equipment Company, The, 82 Duane St., New York City.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

UNDERWATER LIGHTS. See Floodlights, under-water; Lighting Equipment, underwater**UNGLAZED TILE**

American-Franklin-Olean Tiles, Inc., Lansdale, Pa.
Sparta Ceramic Company, The, East Sparta, O.

URINAL CAKES

Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.
Clifton Chemical Company, Inc., Clifton Building, 246 Front St., New York City.

Hillyard Sales Company, St. Joseph, Mo.

VACUUM CLEANER BRUSHES. See Brushes, vacuum cleaner**VACUUM CLEANER UNITS**

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

—connections only
Josam Manufacturing Company, 1783 East 11th St., Cleveland, O. [Josam Suction Cleaner Units]

VACUUM CLEANERS

See also Fittings, Vacuum Cleaner; Hose, Vacuum Cleaner; Pumps, portable for vacuum cleaners; Vacuum Cleaner Units

American Playground Device Company, Anderson, Ind.

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

Playground Equipment Company, The, 82 Duane St., New York City.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

VACUUM GAUGES

Bailey & Company, Ltd., Sir W. H., Albion Works, Oldfield Road, Salford, 5, Lancs, Eng.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Worthington-Gamon Meter Company, Harrison, N.J.

VALVES

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Bailey & Company, Ltd., Sir W. H., Albion Works, Oldfield Road, Salford, 5, Lancs, Eng.

- International Filter Company, 325 West 25th Place, Chicago, Ill.
- Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.
- Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.
- backwater
 - Bailey & Company, Ltd., Sir W. H. Albion Works, Oldfield Road, Salford, 5, Lancs, Eng.
 - International Filter Company, 325 West 25th Place, Chicago, Ill.
 - Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.
 - Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.
- check
 - Bailey & Company, Ltd., Sir W. H. Albion Works, Oldfield Road, Salford, 5, Lancs, Eng.
 - Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.
 - Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.
- filter control
 - International Filter Company, 325 West 25th Place, Chicago, Ill.
- hydraulic single control for filters
 - International Filter Company, 325 West 25th Place, Chicago, Ill.
- rate of flow
 - International Filter Company, 325 West 25th Place, Chicago, Ill. [Infilco Venturi]
- sewer
 - Bailey & Company, Ltd., Sir W. H. Albion Works, Oldfield Road, Salford, 5, Lancs, Eng.
 - Josam Manufacturing Company, 1783 East 11th St., Cleveland, O.
 - Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.
- shower
 - Bailey & Company, Ltd., Sir W. H. Albion Works, Oldfield Road, Salford, 5, Lancs, Eng.
 - Josam Manufacturing Company, 1783 East 11th St., Cleveland, O. [Josam Moderator]
 - Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.
- tri-filter control
 - American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.
- VAPOLETS. See Floodlights; Lighting Equipment
- VISORS, SUN
 - Fitsrite Products Company, 43-47 West 23rd St., New York City.
- WADING POOL SHOWER DOMES. See Domes, Shower and Spray, wading pool
- WAIRSCOATING, TILE
 - American-Franklin-Olean Tiles, Inc., Lansdale, Pa.
 - Sparta Ceramic Company, The, East Sparta, O.
- WALKWAY DRAINS. See Drains, walkway
- WALKWAYS, TILE
 - American-Franklin-Olean Tiles, Inc., Lansdale, Pa.
- Sparta Ceramic Company, The, East Sparta, O.
- WALL BRUSHES, POOL, HYDRAULIC. See Brushes, pool floor and wall
- WALL DRAINS. See Drains, side wall main
- WALLS, TILE
 - American-Franklin-Olean Tiles, Inc., Lansdale, Pa.
 - Sparta Ceramic Company, The, East Sparta, O.
- WASHING POWDERS. See Scrubbing Compounds and Powders
- WATCH TOWERS, LIFE GUARD. See Life Guard Chairs and Watch Towers
- WATER ANIMALS. See Animals, Water; Animals, Water, Rubber; Animals, Water, Steel
- WATER BALLS. See Balls, Water
- WATER CIRCULATING SYSTEMS. See Recirculating Plants, Pool Water (Complete)
- WATER HEATERS. See Heaters, Water and Bathhouse
- WATER LEVEL CONTROL
 - Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
- WATER MATTRESSES. See Mattresses, Rubber
- WATER METERS. See Meters, Gauges, Indicators
- WATER SOFTENERS
 - American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.
 - Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
 - International Filter Company, 325 West 25th Place, Chicago, Ill.
 - Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.
 - Mathieson Alkali Works (Inc.), The, 60 East 42nd St., New York City. [pH-Plus]
- WATER SOFTENING EQUIPMENT
 - American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.
 - Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.
 - International Filter Company, 325 West 25th Place, Chicago, Ill.
 - Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.
- WATER STERILIZING EQUIPMENT. See Recirculating Plants, Pool Water (Complete)
- WATER SWINGS. See Swings, Water
- WATER TANK PAINT. See Paint, water tank
- WATER TESTING SETS. See Testing Sets
- WATER TOBOGGAN SLIDES. See Slides, toboggan
- WATER TOPS. See Tops, Water
- WATER TOYS. See Toys, Water
- WATER WHEELS. See Wheels, Water
- WATERBOY PUMPS
 - Evinrude Motors, Milwaukee, Wis.
- WATERPROOF ENAMEL COATINGS. See Enamel Coatings
- WATERPROOF FINISHES. See Finishes, waterproof
- WATERPROOF MATTRESSES. See Mattresses, Rubber
- WATERPROOF PAINT. See Paint, waterproof

WATERPROOFING COMPOUNDS

Inertol Company, Inc., 401 Broadway, New York City. [Ramuc; Inertol]

WAVES, WATER

American Playground Device Company, Anderson, Ind.

Giant Manufacturing Company, Council Bluffs, Iowa.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

WAX

Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.

Clifton Chemical Company, Inc., Clifton Building, 246 Front St., New York City.

Hillyard Sales Company, St. Joseph, Mo. —liquid

Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.

Clifton Chemical Company, Inc., Clifton Building, 246 Front St., New York City. [Rub-No]

Hillyard Sales Company, St. Joseph, Mo. —paste

Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.

Clifton Chemical Company, Inc., Clifton Building, 246 Front St., New York City.

Hillyard Sales Company, St. Joseph, Mo.

WAXING MACHINES. See Machines, Polishing**WEIGHTED JACKETS**

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

WELL POINTS

Cook, Inc., A. D., Lawrenceburg, Ind.

WHEEL RINGS. See Rings, Rubber, wheel**WHEELS, WATER**

American Playground Device Company, Anderson, Ind.

Everwear Manufacturing Company, The, Springfield, O.

WIRE BASKETS

American Playground Device Company, Anderson, Ind.

Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.

WOMEN'S SWIM SUITS. See Suits, Swim, women's**WOODEN SOLE SANDALS AND SHOES. See Sandals and Shoes, wooden sole, bath; Sandals and Shoes, wooden sole, beach; Sandals and Shoes, wooden sole, shower and locker room****WOODWORK POLISH. See Polish, Floor, Furniture, and Woodwork****WOOLEN SWIM SUITS. See Suits, Swim, woolen****WRINGERS. See Mopping Buckets and Wringers****WRIST BANDS, ELASTIC. See Elastic Bands for Keys and Tags****WRIST SUPPORTERS**

Fitsrite Products Company, 43-47 West 23rd St., New York City.

—elastic

Fitsrite Products Company, 43-47 West 23rd St., New York City.

—leather

Fitsrite Products Company, 43-47 West 23rd St., New York City.

ZEOLITE

See also Greensand Zeolite; High Capacity Greensand Zeolite; Synthetic Zeolite

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

II. ADDRESSES OF FIRMS

Aldrich & Aldrich, Inc., 1857-61 Milwaukee Ave., Chicago, Ill.

American-Franklin-Olean Tiles, Inc., Lansdale, Pa.

American Playground Device Company, Anderson, Ind.

American Water Softener Company, 2670 North 4th St., Philadelphia, Pa.

Anchor Post Fence Company, Eastern Ave. and Kane St., Baltimore, Md. Sales representatives in all principal cities.

Bacharach & Company, E. W., 800 Rialto Building, Kansas City, Mo.

Bailey & Company, Ltd., Sir W. H., Albion Works, Oldfield Road, Salford, 5, Lancs, Eng.

Balfour Company, L. G., Attleboro, Mass. Branches in all principal cities.

Benjamin Electric Manufacturing Company, Des Plaines, Ill.; 448 Bryant St., San Francisco, Calif.; 20 North Wacker Drive, Chicago, Ill.; 230-234 West 17th St., New York City.

Bradley Knitting Company, Delavan, Wis.

Broderick Company, Tom, 1725 South Grand Boulevard, Glendale, Calif.; 2400 Broadway, Parsons, Kan.

Certified Products Company, Inc., 500 South 22nd St., Birmingham, Ala.

Chemical Equipment Company, 223 Center St., Los Angeles, Calif.; Monadnock Building, San Francisco, Calif.

Clifton Chemical Company, Inc., Clifton Building, 246 Front St., New York City.

Cook, Inc., A. D., Lawrenceburg, Ind.

E & J Company of New York, 101 Park Ave., New York City.

Everson Manufacturing Company, 214 West Huron St., Chicago, Ill.

Everwear Manufacturing Company, The, Springfield, O.

Evinrude Motors, Milwaukee, Wis.

Fitsrite Products Company, 43-47 West 23rd St., New York City.

Gantner & Mattern Company, 1453 Mission St., San Francisco, Calif.; Merchandise Mart, Chicago, Ill.; 1410 Broadway, New York City. Makers of America's Finest Swim Suits. More Swims per Dollar.

Giant Manufacturing Company, Council Bluffs, Iowa; Trenton, N.J.; Oakland, Calif.

Health-O-Swim Nose-Clip Company, 305 Broadway, New York City.

Hillyard Sales Company, St. Joseph, Mo. Offices in principal cities.

Hobart Cabinet Company, Troy, O.

Hygeia Filter Company, 3422-3440 Denton Ave., Detroit, Mich.

Indera Mills Company, Winston-Salem, N.C.; 608 Wilson Building, 1270 Broadway, New York City. Sold through dealers everywhere.

Inertol Company, Inc., 401 Broadway, New York City; 447 Sutter St., San Francisco, Calif. Factory: Newark, N.J.

International Filter Company, 325 West 25th Place, Chicago, Ill.

Josam Manufacturing Company, Main Sales and Engineering Department, 1783 East 11th St., Cleveland, O. Factory and foundry: Michigan City, Ind. Representatives in all principal cities.

Kennedy-Prince Lanes, The, Coach Edward T. Kennedy, Columbia University, New York City.

Lakeside Engineering Corporation, 222 West Adams St., Chicago, Ill.

Mathieson Alkali Works (Inc.), The, 60 East 42nd St., New York City; Charlotte, N.C.; Chicago, Ill.; Cincinnati, O.; Houston, Tex.; Philadelphia, Pa.; Providence, R.I.; Washington, D.C.

Playground Equipment Company, The, 82 Duane St., New York City.

Recreation Equipment Company, 724-28 West 8th St., Anderson, Ind.

Reece Wooden Sole Shoe Company, Columbus, Neb.

Sparta Ceramic Company, The, East Sparta, O. Taylor & Company, Inc., W. A., 872 Linden Ave., Baltimore, Md.

United States Rubber Company, 1790 Broadway, New York City.

Vogel-Peterson Company, Inc., 1801 North Lincoln St., Chicago, Ill.

Wallace & Tiernan Company, Inc., Newark, N.J.

Warren Webster & Company, 17th and Federal Sts., Camden, N.J.

Westinghouse Electric & Manufacturing Company (Lighting Division), 1216 West 58th St., Cleveland, O.

Worthington-Gamon Meter Company, Harrison, N.J.

Worthington Pump & Machinery Corporation, Harrison, N.J.

Appendix C

FILMS

One film often can be secured from several distributors. In listings of this type a semi-colon has been used after the name of each distributor to indicate completion of the listing for this firm.

A B C of Swimming. 1 reel. Y.M.C.A. Motion Picture Bur.

Amateur Diving Association Instructional Film. Sale £3 3s. post free. Rent 2s. 6d. post free for one night, 6d. for each additional night. 1937. Robinsons Cine Service.

Aquatic Artistry. 1 reel. 35mm. Sound. Prices on request. M.-G.-M.

Artificial Respiration. Free. Loucks & Norling.

Backstroke, Japanese and American, 1931-1932. 250 feet. 1931 and 1932. Yale Univ. Produced by Robert J. H. Kiphuth.

Beach Sports. 1 reel. 16mm. Sound. Sale \$30 to \$50 (discount to schools). Rent \$1.25 to \$2. Gutlohn; Sale prices on request, Rent \$1.50 to \$2.50. Ideal.

Breaststroke, Showing Conventional, Butterfly and the Dolphin Strokes. 400 feet. 1931 and 1932. Yale Univ. Produced by Robert J. H. Kiphuth.

Call of the Olympic Bell. 16mm. Sound and silent. Transportation charges only. 1936. German Railroads Inf. Off. Includes all sports, short section on swimming.

Canoe Technique of the American Red Cross. 1 reel. 450 feet. A.R.C.

Coast Guard Communications. 45 minutes. 16mm. Sound. Sale \$150, Rent \$9. Bray; Films.

Crystal Champions. 1 reel. 16mm. Sound and silent. Sale \$4.50 to \$25 for 16mm. sound, \$2.50 to \$20 for 16mm. silent, Rent 75c to \$1.50 for 16mm. sound, 50c to \$1 for 16mm. silent. Mogull; Sale \$17.50 to \$30 for 16mm. sound, \$15 to \$25 for 16mm. silent, Rent \$1.50 to \$2 for 16mm. sound, \$1 to \$1.50 for 16mm. silent. Wholesome Films; Sound. Rent \$1.25. Bass; Sale \$17.50 to \$50, Rent \$1 to \$3. Bell & Howell; Sale prices on request, Rent \$1.50 to \$2. Cosmopol. Film Lib.; Rent \$1 to \$3. Eastman, Kodascope; Sale \$20 to \$50, Rent \$1 to \$3. Films; Sale \$30 to \$50 (discount to schools), Rent \$1.25 to \$2. Gutlohn; Rent \$1.25 to \$3. Hill; Sale prices on request, Rent \$1.50 to \$2.50. Ideal; Rent \$1 to \$3. Y.M.C.A. Motion Picture Bur; Silent. Sale \$7 to \$12, Rent 50c to \$1.50. Nat. Cinema Serv.

Diving. Rent 2s. 6d. post free for one night, 6d. for each additional night. 1937. Robinsons Cine Service.

Diving. 1 reel. 35mm. Silent. Bell & Howell; Rent \$1.50 to \$2.50. Wholesome Films.

Diving and First Aid. 1 reel. Edited Pictures.

Diving by Degener, Kurtz and Samaika Taken at the Memorial Pool, Honolulu. 100 feet. 1931. Yale Univ. Produced by Robert J. H. Kiphuth.

Diving from Three Meter Board at the Payne Whitney Pool, Yale University, by Degener and Diefendorf of the University of Michigan. 100 feet. Yale Univ. Produced by Robert J. H. Kiphuth.

Diving, High Jumping, Lariat Throwing. Silent. Rent \$5 per day. Burton Holmes.

Diving Instruction Film. 400 feet. 16mm. Silent. Sale \$20. 1936. Chicago Park District. Produced by V. F. Hernlund.

Eleventh Olympic Games. 60 minutes. 16mm. Silent. Sale \$120. 1936. Pittsburgh, Pa., University of Pittsburgh, James H. Potts.

Every Swimmer a Life Saver. Rent \$2 per day. Soc. Visual Educ.

Feminine Flashes in the World of Sports. Sound. Rent \$1.50 per day. Eastin.

First Aid: Life Saving and Resuscitation. 1 reel. 16mm. Silent. Rent 50c to \$1. Akin & Bagshaw; Sale \$24, Rent \$3. Eastman, Teach. Films Div.

Floating Fun. 1 reel. 16mm. Sound. Sale \$30 to \$50 (discount to schools), Rent \$1.25 to \$2. Gutlohn; Sale prices on request, Rent \$1.50 to \$2.50. Ideal.

Follow the Leader. 1 reel. 16mm. Silent. Sale \$20 to \$35, Rent \$1 to \$1.50. Dudley; Sale \$15 to \$25, Rent 75c to \$1. Eastman, Kodascope.

Freestyle Swimming, Japan, 1931, Olympic Tryouts, Cincinnati, and Olympic Games, 1932. 650 feet. 1931 and 1932. Yale Univ. Produced by Robert J. H. Kiphuth.

Gangway. 314 feet. Silent. Rent \$1 per day. Eastman, Kodascope.

Getting Gay with Neptune. 1 reel. 297 feet. 16mm. Silent. Sale \$15 to \$25, Rent 75c to \$1. Eastman, Kodascope.

Hawaiian Shores. $\frac{1}{4}$ reel. 16mm. Silent. Sale \$12 to \$30, Rent \$1 to \$2. Bell & Howell; Sale \$20 to \$24, Rent \$1.50. Burton Holmes.

Help! Free. A.R.C. Produced by Captain C. B. Scully.

Highlights of the 1936 Olympics. 10 minutes. 16mm. Sound. Rent \$3 per day. Films.

How to Handle a Canoe. Silent. Sale \$1.50. Ideal.

How Will You Have Your Bath? 299 feet. Silent. Rent \$1 per day. Eastman, Kodascope.

Hygiene of Swimming. Jacksonville, Fla., Dr. H. Marshall Taylor.

Kauai—The Garden Island of Hawaii. $\frac{1}{4}$ reel. 16mm. Silent. Sale \$12 to \$30, Rent \$1 to \$2. Bell & Howell; Sale \$20 to \$24, Rent \$1.50. Burton Holmes.

Land Training for Diving, etc. Rent 2s. 6d. post free for one night, 6d. for each additional night. 1937. Robinsons Cine Service.

Learn and Live (Life Saving). 1 reel. 16mm. Silent. Transportation charges only. Am. Mus. Nat. Hist.; Rent 20c to \$7.50. Brigham Young Univ.; Rent 50c to \$7.50. Univ. Colorado; Rent 50c to \$2. Univ. Illinois; Rent in state 75c, other states \$1. Indiana Univ.; Rent 50c to \$7.50. Univ. Kansas; Rent 10c to \$12. Univ. Texas. Prices indicate range for all films carried by the respective institutions. Write for specific quotation.

Learn to Swim. 2 reels. 20 minutes. 16mm. and 35mm. Safety. Sound. Sale \$10 and \$22.50. 1938. U.S. Dept. Agriculture.

Life Saving. Silent. Sale \$1.25. Ideal.

Life Saving. 2 reels. 16mm. and 35mm. Sound and Silent. Sale \$10 for 16mm. sound, \$6 for 16mm. silent, \$22.50 for 35mm. sound, \$22.50 for 35mm. silent. 1937. U.S. Dept. Agriculture.

Life Saving and Diving. Sale \$50 on Standard Stock Film, \$60 on Non-flame Stock Film. Visual Text Sales Co. Produced by Prof. William R. La Porte.

Life Saving and Resuscitation. Silent. Sale \$1.50. Ideal.

Life Saving Techniques of the American Red Cross. 2 reels. 820 feet. A.R.C.

Men's and Women's Diving and Water Polo. 16mm. Silent. Rent \$10 for series of six films. 1936. Am. Olympic Comm. Produced by C. R. Bearmore.

Men's and Women's Swimming. 16mm. Silent. Rent \$10 for series of six films. 1936. Am. Olympic Comm. Produced by C. R. Bearmore.

Men's Platform Diving. 400 feet. 16mm. Silent. Titled. Rent \$4. 1936. Am. Olympic Comm.

Men's Springboard Diving. 400 feet. 16mm. Silent. Titled. Rent \$4. 1936. Am. Olympic Comm.

Men's Swimming and Water Polo. 400 feet. 16mm. Silent. Titled. Rent \$4. 1936. Am. Olympic Comm.

National Aquatic Schools of the American Red Cross. 2 reels. 930 feet. 16mm. Silent. Titled. A.R.C.

1935 National A.A.U. Champions. New York City, Columbia University, Arthur Crawford.

Olympic Games, 1936. Slow motion. Alliance, O., 309 South Union Ave., C. R. Bearmore.

Olympic Talent. Sale \$30. Garrison.

Olympic Trials Three Meter Championships, Chicago, June, 1936. 400 feet. 16mm. Silent. Slow motion. Sale \$20. 1936. Chicago Park Dist. Produced by V. F. Hernlund.

One Metri Board. 1 reel. 16mm. Sound. Sale \$17.50 to \$50, Rent \$1 to \$3. Bell & Howell.

Outboard Stunting. 1 reel. 16mm. Sound. Rent \$1.50 per day. Eastin; Sale \$30 to \$50 (discount to schools), Rent \$1.25 to \$2. Gutlohn; Prices on request. Ideal.

Oxygen Breathing Apparatus. 35mm. Rent 50c to \$3 in state. Iowa State Col.; Rent 10c to \$12. Univ. Texas. See note under Learn and Live.

Pardon My Spray. 1 reel. 16mm. Sound. Sale \$30 to \$50 (discount to schools), Rent \$1.25 to \$2. Gutlohn; Sale prices on request, Rent \$1.50 to \$2.50. Ideal.

Pictures of the Olympic Swimming Meet of 1932. Yale Univ. Produced by Robert J. H. Kiphuth.

Plain and Fancy Diving. Silent. Sale \$1.25. Ideal.

Playing and Coaching Water Polo. 1 reel. 400 feet. Slow Motion. Sale \$25. 1938. Intersch. Sports Pub. Co.

Poetry of Motion and Olympic Diving Champions. 1 reel. 16mm. Sound. Sale \$30 to \$50 (discount to schools), Rent \$1.25 to \$2. Gutlohn; Sale prices on request, Rent \$1.50 to \$2.50. Ideal. Sale \$50, Rent \$1.50. Bell & Howell.

Row, Mister, Row. 1 reel. 16mm. Sound. Sale \$17.50 to \$50, Rent \$1.25 to \$2. Film Lib.; Sale \$30 to \$50 (discount to schools), Rent \$1.25 to \$2. Gutlohn; Sale prices on request, Rent \$1.50 to \$2.50. Ideal.

Rudiments of Swimming. Silent. Sale \$1.25. Ideal.

Ship Ahoy! 336 feet. Silent. Rent \$1.25 per day. Eastman, Kodascope.

Short Shots of American and Japanese Swimmers. 400 feet. Yale Univ. Produced by Robert J. H. Kiphuth.

Ski Pilots. 1 reel. Sound. Rent \$1.25. per day. Bass.

Spills and Thrills. 1 reel. 16mm. Sound. Rent \$1.25 per day. Bass; Sale \$17.50 to \$50, Rent \$1 to \$3. Bell & Howell; Rent \$1.50 per day. Eastman, Kodascope; Rent \$1. Manse. Silent. Sale \$15 to \$25, Rent \$1 to \$1.50. Wholesome Films.

Surf and Sail. 1 reel. 327 feet. 16mm. Silent. Sale \$15 to \$25, Rent 75c to \$1. Eastman, Kodascope.

Surf Heroes. 1 reel. 35mm. Sound. Prices on request. M.-G.-M.

Surf Riding at Waikiki. Eastin.

Surfing—The Famous Sport of Waikiki. $\frac{1}{4}$ reel. 16mm. Silent. Sale \$12 to \$30, Rent \$1 to \$2. Bell & Howell; Sale \$20 to \$24, Rent \$1.50. Burton Holmes.

Swim or Sink. 1 reel. 16mm. Sound. Sale \$30. Garrison; Sale \$30 to \$50 (discount to schools), Rent \$1.25 to \$2. Gutlohn; Sale prices on request, Rent \$1.50 to \$2.50. Ideal.

Swimmers and Swimming. 1 reel. 16mm. Silent. Sale \$15 to \$25, Rent 75c to \$1. Eastman, Kodascope. 35mm. Rent \$1.50 to \$2.50. Wholesome Films.

Swimming. Sale \$50 on Standard Stock Film, \$60 on Non-flame Stock Film. Visual Text Sales Co. Produced by Prof. William R. La Porte.

Swimming and Aquatics. Rent \$12 for series of four films. Visual Text Sales Co. Produced by Prof. William R. La Porte.

Swimming and Diving. Slow motion and normal photography. Soc. Visual Educ.

Swimming and Diving. Silent. Sale \$1.50. Ideal.

Swimming, Life Saving and Diving. Visual Text Sales Co.

Swimming Strokes. Silent. Sale \$1.25. Ideal.

Teaching of Swimming and Diving. Rent \$1.50 per day. Detroit, Mich., Wayne University, Ann Avery Smith.

Tenth Olympiad. 1 reel. 11 minutes. 16mm. Sound. Sale \$17.50 to \$50, Rent \$1 to \$3. Bell & Howell; Rent \$1. Manse; Sale \$4.50 to \$25, Rent 75c to \$1.50. Mogull; Silent. Sale \$9 to \$15, Rent 75c. Hollywood Film; Sale \$15 to \$25, Rent \$1 to \$1.50. Wholesome Films.

Three Metri Board. 1 reel. 16mm. Sound. Sale \$17.50 to \$50, Rent \$1 to \$3. Bell & Howell.

Tigers of the Deep. 1 reel. 16mm. Sound. Sale \$17.50 to \$50, Rent \$1.25 to \$2. Film Lib.; Sale \$30. Garrison; Sale \$30 to \$50 (discount to schools), Rent \$1.25 to \$2. Gutlohn; Sale prices on request, Rent \$1.50 to \$2.50. Ideal.

Water Bugs. 1 reel. 16mm. Sound. Sale \$30. Garrison; Sale \$30 to \$50 (discount to schools), Rent \$1.25 to \$2. Gutlohn; Sale prices on request, Rent \$1.50 to \$2.50. Ideal.

Water Dogs. 15 minutes. 35mm. Sound. 1931. Mod. Films Sales Corp. Produced by Grace G. Huntington.

Water Fun. 1 reel. 9 minutes. 16mm. and 35mm. Sound and silent. Sale prices on request, Rent \$1.50 to \$2 for 16mm. sound. Cosmopol. Film Lib.; Sale \$12 for 16mm. silent, \$21 for 16mm. sound, prices on request for 35mm. sound, Rent \$1.50 for 16mm. silent, \$2 for 16mm. sound. Pictorial Film Lib.

Water Sports. 1 reel. 16mm. Sound. Sale \$20 to \$75, Rent \$1 to \$1.50. Allen; Prices on request. Audio-Film; Sale \$17.50 to \$50, Rent \$1 to \$3. Bell & Howell; Sale \$17.50. Castle; Sale prices on request, Rent \$1.50 to \$2. Cosmopol. Film Lib.; Rent \$1 to \$1.25. Dennis; Sale \$17.50 to \$30, Rent \$1.50. Lewis; Rent \$1. Manse; Sale \$10 to \$25, Rent \$1.50 to \$2.50. Metropolitan; Sale \$17.50 to \$30, Rent \$1.50 to \$2. Wholesome Films; Sale prices on request, Rent 75c to \$1. Williams.

Water Wonders. 1 reel. 16mm. Silent. Sale \$15 to \$25, Rent 75c to \$1. Eastman, Kodascope.

Women's Swimming. 400 feet. 16mm. Silent. Titled. Rent \$4. 1936. Am. Olympic Comm.

DISTRIBUTORS OF FILMS

A.R.C. American Red Cross, Director of First Aid and Life Saving, Washington, D.C.

Akin & Bagshaw. Akin and Bagshaw, Inc., 1425 Williams St., Denver, Col.

Allen. John E. Allen Modern Talking Picture Service, 6 George St., Rochester, N.Y.

Am. Mus. Nat. Hist. American Museum of Natural History, 79th St. and Central Park West, New York City.

Am. Olympic Comm. American Olympic Committee, 233 Broadway, New York City.

Audio-Film. Audio-Film Libraries, 661 Bloomfield Ave., Bloomfield, N.J.

Bass. Bass Camera Company, 179 Madison St., Chicago, Ill.

Bell & Howell. Bell and Howell Company, 1801 Larchmont Ave., Chicago, Ill.

Bray. Bray Pictures Corp., 729 Seventh Ave., New York City.

Brigham Young Univ. Brigham Young University, Bureau of Visual Instruction, Provo, Utah.

Burton Holmes. Burton Holmes Films, Inc., 7510 North Ashland Ave., Chicago, Ill.

Castle. Castle Films, RCA Building, 30 Rockefeller Plaza, New York City.

Chicago Park Dist. Chicago Park District, Washington Park, Chicago, Ill.

Cosmopol. Film Lib. Cosmopolitan Film Libraries, Inc., 3248 Gratiot Ave., Detroit, Mich.

Dennis. William M. Dennis Film Libraries, 2506½ West 7th St., Los Angeles, Calif.

Dudley. William H. Dudley Visual Education Service, Inc., 736 South Wabash Ave., Chicago, Ill.

Eastin. Eastin 16mm Pictures, 707 Putnam Building, Davenport, Iowa.

Eastman, Kodascope. Eastman Kodak Company, Kodascope Libraries Division, 33 West 42nd St., New York City.

Eastman, Teach. Film Div. Eastman Kodak Company, Teaching Films Division, 343 State St., Rochester, N.Y.

Edited Pictures. Edited Pictures System, Inc., 330 West 42nd St., New York City.

Film Lib. Film Library of New England, 239 Columbus Ave., Boston, Mass.

Films. Films Incorporated, 330 West 42nd St., New York City. 64 East Lake St., Chicago, Ill.; 314 South West 9th Ave., Portland, Ore.

Garrison. Garrison Film Distributors, Inc., 730 Seventh Ave., New York City.

German Railroads Inf. Off. German Railroads Information Office, 665 Fifth Ave., New York City.

Gutlohn. Walter O. Gutlohn, Inc., 35 West 45th St., New York City.

Hill. Howard Hill Motion Picture Service, 280 Scenic Ave., Piedmont, Oakland, Calif.

Hollywood Film. Hollywood Film Enterprises, Inc., 6060 Sunset Boulevard, Hollywood, Calif.

Ideal. Ideal Pictures Corp., 30 East 8th St., Chicago, Ill.

Indiana Univ. Indiana University, Extension Division, Bloomington, Ind.

Intersch. Sports Pub. Co. Interscholastic Sports Publishing Company, Route 2, Box 22, Anaheim, Calif.

Iowa State Col. Iowa State College of Agriculture and Mechanic Arts, Visual Instruction Service, Ames, Io.

Lewis. Lewis Film Service, 105 East First St., Wichita, Kan.

Loucks & Norling. Loucks and Norling, 245 West 55th St., New York City.

M.-G.-M. Metro-Goldwyn-Mayer, 1540 Broadway, New York City.

Manse. Manse Library, Karl W. Scheufler, 2439 Auburn Ave., Cincinnati, O.

Metropolitan. Metropolitan Motion Picture Company, 50 Branford Place, Newark, N.J.

Mod. Film Sales Corp. Modern Film Sales Corp., 729 Seventh Ave., New York City.

Mogull. Mogull Brothers, 1944 Boston Road, New York City.

Nat. Cinema Serv. National Cinema Service, 3 West 29th St., New York City.

Pictorial Film Lib. Pictorial Film Library, Inc., 130 West 46th St., New York City.

Robinsons Cine Service. Robinsons Cine Service, Manchester House, Lowestoft, South, London.

Soc. Visual Educ. Society for Visual Education, Inc., 327 South La Salle St., Chicago, Ill.

U.S. Dept. Agriculture. U.S. Department of Agriculture, Division of Motion Pictures, Extension Service, Washington, D.C.

Univ. Colorado. University of Colorado, Bureau of Visual Instruction, Boulder, Col.

Univ. Illinois. University of Illinois, Visual Aids Service, 113 University High School, Urbana, Ill.

Univ. Kansas. University of Kansas, Bureau of Visual Instruction, Lawrence, Kan.

Univ. Texas. University of Texas, Visual Instruction Bureau, Austin, Tex.

BIBLIOGRAPHY OF SWIMMING

Visual Text Sales Co. Visual Text Sales Company, 1268 Crenshaw Boulevard, Los Angeles, Calif.

Wholesome Films. Wholesome Films Service, Inc., 48 Melrose St., Boston, Mass.

Williams. Clem Williams Films, 410 Diamond Bank Building, Pittsburgh, Pa.

Y.M.C.A. Motion Picture Bur. Y.M.C.A. Motion Picture Bureau, 347 Madison Ave., New York City; 19 South LaSalle St., Chicago, Ill.; 351 Turk St., San Francisco, Calif.

Yale Univ. Yale University, Payne Whitney Gymnasium, Film Library, New Haven, Conn.

Supplementary List of Film Distributors

These distributors have films on aquatic sports. Their titles are not listed.
Write direct to them for information.

Annis Company, R. B., Hoosier Film Library, 1505-7 East Michigan St., Indianapolis, Ind.

Bergen Film Laboratory, Inc., 103 Union St., Lodi, N.J.

Blakely, Eugene, 30 North East Russell St., Portland, Ore.

Bourbon Film Library, 387 Magee Ave., Rochester, N.Y.

Boy Scouts of America, Public Relations Service, 2 Park Ave., New York City.

Camera Center, Inc., 596 Grand St., Brooklyn, N.Y.

Central Camera Company, 230 South Wabash Ave., Chicago, Ill.

Cine Classic Library, 1041 Jefferson Ave., Brooklyn, N.Y.

Commonwealth Pictures Corp., 729 Seventh Ave., New York City.

Duhem Motion Picture Manufacturing Company, 135 Hayes St., San Francisco, Calif.

Elder & Company, D. F., 739 Boylston St., Boston, Mass.

French Cinema Center, Inc., Pathé Building, 35 West 45th St., New York City.
Foreign language films; no English titles.

Gaumont British Picture Corporation of America, 1600 Broadway, New York City.

General Films, Ltd., 1924 Rose St., Regina, Sask., Canada.

Harpel, L. G., 757-59 Cumberland, Lebanon, Pa.

Harrison Harries, 360 Main St., Hartford, Conn.

Harvey & Lewis Company, 1148 Main St., Bridgeport, Conn.; 849 Chapel St., New Haven, Conn.; 1503 Main St., Springfield, Mass.; 513 Main St., Worcester, Mass.
Distributes to Connecticut only.

Hebert Studios, Inc., 55 Allyn St., Hartford, Conn.
Distributes to Connecticut only.

Home Movie Library and Equipment Company, Inc., 713 South Hill St., Los Angeles, Calif.

Home Movie Sales Agency, 259 South Corona St., Denver, Col.

Home Movies Co., Inc., 2019 Euclid Ave., Cleveland, Ohio

Ideal Motion Picture Service, 6 St. Johns Ave., Yonkers, N.Y.

Institutional Cinema Service, Inc., 1560 Broadway, New York City.

Iver-Johnston Sporting Goods Company, 155 Washington St., Boston, Mass.

Kearney, Eugene, Photo Supply Service, 1454 North Gardner, Hollywood, Calif.

King Cole's Sound Service, Inc., 203 East 26th St., New York City.

Kirkhuff, A. L., 148 South Brand Blvd., Glendale, Calif.

Kopp, William, Inc., 2825 Hennepin Ave., Minneapolis, Minn.

Kunz-McCork Company, 1319 Vine St., Philadelphia, Pa.

Landres 16mm Pictures, General Film Library of California, Inc., 1426 North Beachwood Drive, Hollywood, Calif.

Maine Publicity Bureau, Portland, Maine

Mendelwager, Milton, 182 West 49th St., Bayonne, N.J.

Michigan Film Library, 15745 Rosemont Road, Detroit, Mich.

Modern Sound Pictures, Inc., 1219 Farnam St., Omaha, Neb.

Mortimer, F. R., 1029 Prospect Ave., Plainfield, N.J.

National Motion Picture Service, 236 West 55th St., New York City.

National Parks Bureau, Department of Mines and Resources, Ottawa, Ontario, Canada.

New Jersey State Museum, Department of Conservation and Developments, Trenton, N.J.
Distributes to New Jersey only.

News Reel Laboratory, 1707 Sansom St., Philadelphia, Pa.

Nu-Art Film Company, 145 West 45th St., New York City.

Pathegrams, Inc., 30 Rockefeller Plaza, New York City.

Peters, James A., 456 Turner St., Allentown, Pa.

Phonotone Laboratories, South East 15th & State Sts., Washington, Ind.

Stewart, D. A., Motion Picture Service, P.O. Box 396, Mt. Vernon, N.Y.

Twymann, Alan B., Sound Film Libraries, 29 Central Ave., Dayton, Ohio

Visual Text and Equipment Company, 1934 Holmby Ave., Los Angeles, Calif.

Williams, Brown and Earle, Inc., 918 Chestnut St., Philadelphia, Pa.

Willoughbys, 110 West 32nd St., New York City.

Zenith Cinema Service, 5011 North Sawyer Ave., Chicago, Ill.

Appendix D

I. PERIODICALS

Acta dermat.-venereol.—Acta dermato-venereologica. Sturegatan 22, Stockholm, Sweden

Acta med. Scandinav.—Acta medica Scandinavica. Stockholm, Sweden

Acta scholae med. Univ. imp.—Acta scholae medicinalis Universitatis imperialis in Kioto. Maruzen Company, Ltd., Tokyo, Japan

Albany M. Ann.—Albany Medical Annals. Mt. Royal and Guilford Aves., Baltimore, Md.

All Sports—All Sports Magazine. All Sports Record Book, Inc., 235 East 45th St., New York City

Am.—American Magazine. Crowell Publishing Company, Springfield, O.

Am. Acad. Arts & Sc., Proc.—American Academy of Arts and Sciences, Proceedings. 26 Newbury St., Boston, Mass.

Am. Acad. Ophth. Otolaryng., Tr.—American Academy of Ophthalmology and Otolaryngology, Transactions. Dr. W. P. Wherry, 1500 Medical Arts Building, Omaha, Neb.

Am. Architect—American Architect. Continued as Architectural Record

Am. Boy—American Boy (combined with Youth's Companion). Sprague Publications, Inc., 7430 Second Boulevard, Detroit, Mich.

Am. Catholic Quart. Rev.—American Catholic Quarterly Review. 610 South Washington St., Philadelphia, Pa.

Am. City—American City. American City Magazine Corp., 470 Fourth Ave., New York City

Am. Export—American Exporter. Johnston Export Publishing Company, 370 Seventh Ave., New York City

Am. Gas J.—American Gas Journal. New York City

Am. Geog. Soc. Bull.—American Geographical Society Bulletin. American Geographical Society, New York City

Am. Home—American Home. Country Life-American Home Corp., 444 Madison Ave., New York City

Am. Inst. Architects J.—American Institute of Architects Journal. Washington, D.C.

Am. J. Clin. Path.—American Journal of Clinical Pathology. Williams & Wilkins Company, Mt. Royal and Guilford Aves., Baltimore, Md.

Am. J. Hyg.—American Journal of Hygiene. 615 North Wolfe St., Baltimore, Md.

Am. J. M. Sc.—American Journal of the Medical Sciences. Lea and Febiger, 600 South Washington Square, Philadelphia, Pa.

Am. J. Nursing—American Journal of Nursing. 50 West 50th St., New York City

Am. J. Physiol.—American Journal of Physiology. American Physiological Society, 19 West Chase St., Baltimore, Md.

Am. J. Psychol.—American Journal of Psychology. Morrill Hall, Cornell University, Ithaca, N.Y.

Am. J. Pub. Health—American Journal of Public Health and The Nation's Health. 50 West 50th St., New York City

Am. J. Sociol.—American Journal of Sociology. University of Chicago Press, 5750 Ellis Ave., Chicago, Ill.

Am. J. Surg.—American Journal of Surgery. 49 West 45th St., New York City

Am. Land. Architect—American Landscape Architect. Discontinued Oct., 1932

Am. Municip.—American Municipalities. 21 West Main St., Marshalltown, Iowa

Am. Phys. Educ. Rev.—American Physical Education Review. Continued as J. Health & Phys. Educ.

Am. Rev.—American Review. 231 West 58th St., New York City

Am. School Board J.—American School Board Journal. Bruce Publishing Company, 524-544 North Milwaukee St., Milwaukee, Wis.

Am. School & Univ.—American School and University. American Public School Corp., 470 Fourth Ave., New York City

Am. Swimmer—American Swimmer. Ceased publication

An. Soc. mex. de oftal. y oto-rino-laring.—Aнаles de la Sociedad mexicana de oftalmología y oto-rino-laringología. Hospital Oftalmológico de Ntra. Sra. de la Luz. Ezequiel Montes 135, México, D. F.

Analyst—The Analyst. W. Heffer & Sons, Ltd., 4 Petty Cury, Cambridge, Eng.

Ann. d'hyg.—Annales d'hygiène publique, industrielle et sociale. J. B. Bailliére & fils, 19 rue Hautefeuille, Paris

Ann. d'ig.—Annali d'igiene. Via Antonio Salandra (già delle Finanze) 14, Rome, Italy

Ann. Inst. d'hydrol.—Annales de l'Institut d'hydrologie et de climatologie. Dr. Victor Gardette, 23 rue du Cherche-Midi, Paris

Ann. Inst. Pasteur—Annales de l'Institut Pasteur. Masson & Cie, 120 Boulevard Saint-Germain, Paris

Ann. Int. Med.—Annals of Internal Medicine. American College of Physicians, Prince and Lemon Sts., Lancaster, Pa.

Ann. internat. de méd. phys.—Annales internationales de médecine physique et de physio-biologie. 1 rue des Escrimeurs, Antwerp, Belgium

Ann. de méd. lég.—Annales de médecine légale, de criminologie et de police scientifique. J. B. Bailliére & fils, 19 rue Hautefeuille, Paris

Ann. di med. nav.—See Ann. di med. nav. e colon.

Ann. di med. nav. e colon.—Annali di medicina navale e coloniale. Direzione Centrale della Sanita Militare Marittima, Ministero della Marina, Rome, Italy

Ann. Otol., Rhin. & Laryng.—Annals of Otology, Rhinology and Laryngology. Annals Publishing Company, 7200 Wydown Boulevard, St. Louis, Mo.

Ann paulist. de med. e cir.—Annaes paulistas de medicina e cirurgia. Caixa Postal 1574, São Paulo, Brazil

Ann. de physiol.—Annales de physiologie et de physicochimie biologique Gaston Doin & Cie, 8 Place de l'Odéon, Paris

Ann. Polit. et Lit.—Les annales politiques et littéraires. 2 rue de Penthièvre, Paris

Ann. Trop. Med.—Annals of Tropical Medicine and Parositology. University Press, 177 Brownlow Hill, Liverpool, Eng.

Aquat.—Aquatics, N.S.W.A. (Spalding's Athletic Library). American Sports Publishing Company, 115 Fulton St., New York City

Arb. a. d. Reichsgesundh.amt.—Arbeiten aus dem Reichsgesundheitsamte. Berlin

Arbeitsphysiol.—Arbeitsphysiologie. Zeitschrift für die Physiologie des Menschen bei Arbeit und Sport. Julius Springer, Linkstrasse 23, Berlin, W. 9

Arch. di antropol. crim.—Archivio di antropologia criminale, psichiatria e medicina legale. Via Legnano, 26, Torino, Italy

Arch. Dermat. & Syph.—Archives of Dermatology and Syphilology. American Medical Association, 535 North Dearborn St., Chicago, Ill.

Arch. f. exper. Path. u. Pharmakol.—Naunyn-Schmiedebergs Archiv für experimentelle Pathologie und Pharmakologie. F. C. W. Vogel, Linkstrasse 23, Berlin, W. 9

Arch. di fisiol.—Archivio di fisiologia. Ditta Editrice Luigi Niccolai, Via Faenza 52, Florence, Italy

Arch. f. d. Gesch. d. Natur.—Archiv für die Geschicht der Naturwissenschaften und der Technik. Leipzig, Germany

Arch. f. d. ges. Physiol.—Pflüger's Archiv für die gesamte Physiologie des Menschen und der Tiere. Julius Springer, Linkstrasse 23, Berlin, W. 9

Arch. f. Hyg.—Archiv für Hygiene und Bakteriologie. R. Oldenbourg, Glückstrasse 8, Munich, 1, Germany

Arch. Int. Med.—Archives of Internal Medicine. American Medical Association, 535 North Dearborn St., Chicago, Ill.

Arch. ital. de biol.—Archives italiennes de biologie. Ceased publication

Arch. f. klin. Chir.—Archiv für klinische Chirurgie. Julius Springer, Linkstrasse 23, Berlin, W. 9

Arch. M. Hydrol.—Archives of Medical Hydrology; being the Journal of the International Society of Medical Hydrology. 109 Kingsway, London, W.C. 2

Arch. d. mal. de l'app. digestif.—Archives des maladies de l'appareil digestif et des maladies de la nutrition. Masson & Cie, 120 Boulevard Saint-Germain, Paris, 6^e

Arch. d. mal. du cœur.—Archives des maladies du cœur, des vaisseaux et du sang. J. B. Bailliére et fils, 19 rue Hautefeuille, Paris

Arch. méd. belges.—Archives médicales belges. Capitaine Pharmacien Francotte, 15 rue Budougnat, Bruxelles, Belgium

Arch. de méd. et pharm. nav.—Archives de médecine et pharmacie navales. Imprimerie Nationale, Rue de la Convention, n. 27, Paris, 15

Arch. Path.—Archives of Pathology. American Medical Association, 535 North Dearborn St., Chicago, Ill.

Arch. Pediat.—Archives of Pediatrics. E. B. Treat & Co., 45 East 17th St., New York City

Arch. Phys. Therapy—Archives of Physical Therapy, X-Ray, Radium, with International Abstract. American Congress of Physical Therapy, Suite 712, 30 North Michigan Ave., Chicago, Ill.

Arch. di sc. biol.—Archivio di scienze biologiche (fisiologia, farmacologia, patologia sperimentale). L. Cappelli, Via Farini 6, Bologna, Italy

Arch. per le sc. med.—Archivio per le scienze mediche. Via Martiri Fascisti, 15, Torino, Italy

Arch. Soc. d. sc. méd. et biol. de Montpellier—Archives de la Société des sciences médicales et biologiques de Montpellier et du Languedoc Méditerranéen. Faculté de Médecine, Salle Theophraste Renaudot, Montpellier, France

Arch. f. soziale Hyg. u. Demog.—Archiv für soziale Hygiene und Demographie. Ceased publication

Architect.—Architecture. Continued as American Architect; later as Architectural Record

Architect & Engin.—Architect and Engineer. San Francisco, Calif.

Architect. Forum—Architectural Forum. Boston, Mass.

Architect. Rec.—Architectural Record. F. W. Dodge Corp., 119 West 40th St., New York City. (Continuation of American Architect)

Architect. Rev.—Architectural Review; a magazine of architecture and the arts of design. London

Arq. do Inst. bact. Camara Pestana—Arquivos do Instituto bacteriológico Camara Pestana. Imprensa Libanio da Silva, T. do Fala-Só, 24, Lisboa, Portugal

Art & Archeol.—Art and Archeology. Art and Archeology Press, Inc., 215 Southern Building, Washington, D.C. Publication suspended indefinitely

Arts & Decorat.—Arts and Decoration. Robert M. McBride & Co., 4 West 16th St., New York City

Asia—Asia. Asia Magazine, Inc., 40 East 49th St., New York City

Assoc. Boys—Association Boys. Ceased publication

Assoc. Men—Association Men. Ceased publication

Assoc. News—Association News. Photographers' Association of America, Washington, D.C.

Ath. Handb.—Athletic Handbook. (Spalding's Athletic Library). American Sports Publishing Company, 115 Fulton St., New York City

Ath. J.—Athletic Journal. Athletic Journal Publishing Company, 6858 Glenwood Ave., Chicago, Ill.

Atlantic—Atlantic Monthly. Atlantic Monthly Company, 8 Arlington St., Boston, Mass.

Badminton Mag.—The Badminton Magazine of Sports and Pastimes. London; New York City; Bombay, India

Balneologe—Der Balneologe. Julius Springer, Linkstrasse 23-24, Berlin, W. 9. (Continuation of *Zeitschrift für die gesamte physikalische Therapie*)

Baths & Bath Engin.—Baths & Bath Engineering. National Association of Bath Superintendents, 30-31 Furnival St., Holborn, London

Beach & Pool—Beach & Pool. Beach & Pool Publishing Company, 425 Fourth Ave., New York City

Beaux Arts Inst. D. Bull.—Beaux Arts Institute of Design Bulletin. 304 East 44th St., New York City

Beitr. z. path. Anat. u. z. alg. Path.—Beiträge zur pathologischen Anatomie und zur allgemeinen Pathologie. Gustav Fischer, Jena, Germany

Better Homes & G.—Better Homes and Gardens. Meredith Publishing Company, 1714 Locust St., Des Moines, Iowa

Bib. d. Ann. Econ.—Bibliothèque des Annales Économiques. Paris

Biochem. Ztschr.—Biochemische Zeitschrift. Julius Springer, Linkstrasse 23, Berlin, W. 9

Bol. de farm. mil.—Boletín de farmacia militar. Rafael Roldan y Guerrero (ed). 95 Embajadores, Madrid, Spain

Boll. d. Soc. ital. di biol. sper.—Bollettino della Società italiana di biologia sperimentale. Prof. F. Botazzi (ed). S. Andres delle Dame 21, Naples, Italy

Bookman—Bookman. Continued as American Review

Boston M. & S. J.—Boston Medical and Surgical Journal. Continued as New England J. Med.

Boy's Life—Boy's Life. Boy Scouts of America, 2 Park Ave., New York City

Boy's Own Annual—The Boy's Own Annual. London

Boy's Own Mag.—The Boy's Own Magazine. London

Bratisl. lekár. listy—Bratislavské lekárske listy. (With French, German and English summaries.) Bulletin officiel de l'Université (Fac. Méd.) de Bratislava, Czechoslovakia

Brick & Clay Rec.—Brick and Clay Record. Chicago, Ill.

Brigadier—The Brigadier, a monthly magazine for boys of the Boys Brigade. London

Brit. J. Dermat.—British Journal of Dermatology and Syphilis. H. K. Lewis & Co., Ltd., 136 Gower St., London, W.C. 1

Brit. J. Phys. Med.—British Journal of Physical Medicine. 17, Featherstone Building, London, W.C. 1. (Incorporating the British Journal of Actinotherapy and Physiotherapy)

Brit. J. Radiol.—British Journal of Radiology. British Institute of Radiology, 32 Welbeck St., London, W. 1

Brit. M. J.—British Medical Journal. British Medical Association House, 19 Tavistock Square, London, W.C. 1

Bruxelles-méd.—Bruxelles-médical. Leopold Mayer (ed). 141 rue Belliard, Bruxelles, Belgium

Budapesti orvosi ujság—Budapesti orvosi ujság. Kertészutca 16, Budapest, 7, Hungary

Building Age—Building Age. See Building Age & National Builder

Building Age & Natl. Builder—Building Age and National Builder consolidated with others. Scientific Book Corp., 15 East 26th St., New York City

Bull. Acad. de méd., Paris—Bulletin de l'Académie de médecine. Masson & Cie, 120 Boulevard Saint-Germain, Paris, 6^e

Bull. Battle Creek Sanitar. & Hosp. Clin.—Bulletin of the Battle Creek Sanitarium and Hospital Clinic. Battle Creek, Mich.

Bull. Inst. Hist. Med.—Bulletin of the Institute of the History of Medicine. The Johns Hopkins University, Johns Hopkins Press, Baltimore, Md.

Bull. méd., Paris—Le bulletin médical. Librairie Arnette, 2 rue Casimir Delavigne, Paris

Bull. et mém. Soc. franç. d'opht.—Bulletins et mémoires de la Société française d'ophtalmologie. Masson & Cie, 120 Boulevard Saint-Germain, Paris, 6^e

Bull. Nav. M. A., Japan—Bulletin of the Naval Medical Association. Navy Department, Tokyo, Japan

Bull. Pan Am. U.—Bulletin of the Pan American Union, 17th St. and Constitution Ave., N.W., Washington, D.C.

Bull. d. sc. med., Bologna—Bulllettino delle scienze mediche. Società Medica Chirurgica, Piazza Galvani, 1, Bologna, 124, Italy

Bull. Soc. franc. de dermat. et syph.—*Bulletin de la Société française de dermatologie et de syphiligraphie.* Masson & Cie, 120 Boulevard Saint-Germain, Paris, 6^e

Bull. Soc. path. exot.—*Bulletin de la Société de pathologie exotique.* Masson & Cie, 120 Boulevard Saint-Germain, Paris, 6^e

Bull. Soc. d. sc. méd. et biol. de Montpellier—*Bulletin de la Société des sciences médicales et biologiques de Montpellier et du Languedoc Méditerranéen.* Continued as *Archives de la Société des sciences médicales et biologiques de Montpellier.* . .

California State Dept. Pub. Health Bull.—*California State Department of Public Health Bulletin.* California State Department of Public Health, Sacramento, Calif.

California State J. M.—*California State Journal of Medicine.* Butler Building, San Francisco, Calif.

Camp Life—*Camp Life.* Camp Directory Publishing Company, Brooklyn, N.Y.

Camper & Hiker—*Camper and Hiker.* Camper and Hiker, New York City

Camping—*The Camping Magazine.* American Camping Association, Lane Hall, Ann Arbor, Mich.

Canad. Chem. & Metall.—*Canadian Chemistry and Metallurgy.* Canadian Institute of Chemistry, Toronto, Canada

Canad. Engin.—*Canadian Engineer.* Toronto, Canada

Canad. M. A. J.—*Canadian Medical Association Journal.* 3640 University St., Montreal, Canada

Canad. Mag.—*Canadian Magazine.* Hugh C. MacLean Publications, 347 Adelaide St., West, Toronto, 2, Canada

Canad. Pract. & Rev.—*Canadian Practitioner and Review.* Toronto, Canada

Canad. Pub. Health J.—*Canadian Public Health Journal.* 105 Bond St., Toronto, Canada

Centralbl. f. allg. Gesndhtspfl.—*Centralblatt für allgemeine Gesundheitspflege.* Bonn, Germany

Centralbl. f. Bakt.—*Centralblatt für Bakteriologie.* Continued as *Zentralblatt für Bakteriologie*

Chambers's J.—*Chambers's Journal.* W. and R. Chambers, Ltd., 28 Soho Square, London

Charities—*Charities and the Commons.* Continued as *Survey*

Chautauquan—*Chautauquan.* Public Department Chautauqua Institution, Chautauqua, N.Y.

Chem. Age—*Chemical Age.* London

Chem. Indust.—*Chemical Industries.* Box 1405, New Haven, Conn.

Chicago Trib.—*Chicago Tribune.* Chicago, Ill.

Child—*The Child, a monthly journal.* John Bale, Sons & Danielsson, Ltd., 83-91 Great Titchfield St., London

Chinese M. J.—*Chinese Medical Journal.* Peiping Union Medical College, Peiping, China

City Mgrs. Assoc. Mag.—*City Managers' Association Magazine.* Ceased publication

Classical J.—*Classical Journal.* Classical Association of the Middle West and South, University of Michigan, Ann Arbor, Mich.

Cleveland M. J.—*Cleveland Medical Journal.* Ohio State Department of Health, Cleveland, O.

Clin. J.—*Clinical Journal.* H. K. Lewis & Co., Ltd., 136 Gower St., London

Clin. Sc.—*Clinical Science incorporating Heart.* Shaw & Sons, Ltd., Fetter Lane, Fleet St., London, E.C. 4

Clinique, Paris—*La clinique.* Organe du praticien. 20 rue de Grenelle, Paris

Coal Age—*Coal Age; devoted to coal mining and coke manufacture.* 330 West 42nd St., New York City

Colburn's Mag.—*Colburn's United Service Magazine.* London

Collier's—*Collier's.* Crowell Publishing Company, Springfield, O.

Colorado Municip.—*Colorado Municipalities.* Boulder, Col.

Commonweal—*Commonweal.* Calvert Publishing Corp., Grand Central Terminal, New York City

Compt. rend. Acad. d. sc.—*Comptes rendus hebdomadaires des séances de l'Académie des sciences.* Gauthier-Villars, 55, Quai des Grands-Augustins, Paris

Compt. rend. Soc. de biol.—*Comptes rendus des séances de la Société de biologie.* Masson & Cie, 120 Boulevard Saint-Germain, Paris, 6^e

Concrete—*Concrete.* Concrete-Cement Age Publishing Co., Detroit, Mich.

Concrete Highway—*Concrete Highway Magazine.* See *Concrete Highways & Pub. Improve.*

Concrete Highways & Pub. Improve.—*Concrete Highways and Public Improvements.* Ceased publication

Concrete Products—*Concrete Products.* Continued as *Rock Products*

Congressional Rec.—*Congressional Record.* Washington, D.C.

Connecticut Health Bull.—*Connecticut Health Bulletin.* Connecticut State Board of Health, Hartford, Conn.

Connoisseur—*The Connoisseur Magazine.* London

Cosmopol.—*Cosmopolitan.* See *Hearst's Internat. & Cosmopol.*

Country Life—*Country Life.* Country Life-American Home Corp., 444 Madison Ave., New York City

Craftsman—*Craftsman.* Labor Temple Building, Dallas, Tex.

Crón. méd. Valencia—*Crónica médica.* Plaza Emilio Castelar 7, Valencia, Spain

Cur. Hist.—*Current History.* Harrison-Hilton Books, Inc., 63 Park Row, New York City

Cur. Lit.—*Current Literature.* Continued as *Literary Digest*

Dai Nippon Ji-Bi-In-Ko-Kwa-Kwai Ho—Dai Nippon Ji-Bi-In-Ko-Kwa-Kwai Kwai Ho. Information can be obtained from Maruzen Company, 6 Nihonbashi, Tori-Nichome, Tokyo, Japan

Delineator—Delineator. See Pict. Rev.-Delin.

Dermosifilografo—Il dermosifilografo. Via Martiri Fascisti 15, Torino, Italy

Detroit Educ. Bull.—Detroit Educational Bulletin. Detroit Board of Education, Detroit, Mich.

Deutsche Kunst u. Dek.—Deutsche Kunst und Dekoration. Ceased publication

Deutsche med. Wochenschr.—Deutsche medizinische Wochenschrift. Georg Thieme, Rossplatz 12, Leipzig, Germany

Deutsche Ztschr. f. Chir.—Deutsche Zeitschrift für Chirurgie. F. C. W. Vogel, Linkstrasse 23, Berlin

Deutsche Ztschr. f. d. ges. gerichtl. Med.—Deutsche Zeitschrift für die gesamte gerichtliche Medizin. Julius Springer, Linkstrasse 23, Berlin

Deutsches Arch. f. klin. Med.—Deutsches Archiv für klinische Medizin. F. C. W. Vogel, Linkstrasse 23, Berlin, W. 9

Diag. e tec. di lab.—Diagnostica e tecnica di laboratorio. Via S. Teresa al Museo, 76, Naples, Italy

Diet. & Hyg. Gaz.—Dietetic and Hygienic Gazette. Ceased publication

Discovery—Discovery. London

Domest. Engin.—Domestic Engineering. Domestic Engineering Company, 1900 Prairie Ave., Chicago, Ill.

Downtown Ath. Club Mag.—Downtown Athletic Club Magazine. Downtown Athletic Club, New York City

Echo méd. du Nord—L'écho médical du Nord. 12 rue Lepelletier, Lille, France

Edinburgh M. J.—Edinburgh Medical Journal. Oliver and Boyd, Tweeddale Court, Edinburgh, Scotland

Educ.—Education. Palmer Company, 120 Boylston St., Boston, Mass.

Elect. Rev.—Electrical Review. London

Elect. West—Electrical West. McGraw-Hill Publishing Company, 883 Mission St., San Francisco, Calif.

Electrician—Electrician, the oldest weekly illustrated journal of electrical engineering, industry, science and finance. London

Endocrinol. e pat. costit.—Endocrinologia e patologia costituzionale. L. Cappelli, Via Farini, 6, Bologna, Italy

Engin.—Engineer. 28 Essex St., Strand, London

Engin. & Contract.—Engineering and Contracting. Chicago, Ill.

Engin. Mag.—Engineering Magazine. Engineering Magazine Company, New York City

Engin. News—Engineering News. See Engin. News Rec.

Engin. News Rec.—Engineering News Record. McGraw-Hill Publishing Company, 330 West 42nd St., New York City

Engin. Rev.—Engineering Review. Ceased publication

Engineering—Engineering. 35 Bedford St., Strand, London

Étude—Étude. Theodore Presser Company, 1712 Chestnut St., Philadelphia, Pa.

Everybody's—Everybody's Magazine. Ceased publication

Far East Rev.—Far East Review. The Bund, Shanghai, China

Field—The Field. London

Field & Str.—Field and Stream. Field and Stream Publishing Company, Inc., 578 Madison Ave., New York City

Fisiol. e med.—Fisiologia e medicina. Supplemento: Probl. aliment. Viale Regina Margherita, 328, Rome, Italy

Fiziol. zhur.—Fiziologicheskiy zhurnal, U.S.S.R. Lopukhinskaya ul. 12, Leningrad, 22, Russia

Forecast—Forecast. Forecast Publishing Company, 6 East 39th St., New York City

Foreign Aff.—Foreign Affairs. Council on Foreign Relations, Inc., 45 East 65th St., New York City

Fortschr. d. Med.—Fortschritte der Medizin. Hans Pusch, Magazinstrasse 15/16, Berlin

Fortschr. d. Therap.—Fortschritte der Therapie. Rossplatz 12, Leipzig, Germany

Fortune—Fortune. Fortune, 350 East 22nd St., Chicago, Ill.

Forum & Cent.—Forum (combined with Century). Forum Publishing Company, Inc., 570 Lexington Ave., New York City

Fraser's Mag.—Fraser's Magazine. London

Gac. méd. de Carácas—Gaceta médica de Carácas. Organo de la Academia nacional de medicina, Apartado de Correos, 804, Carácas, Venezuela

Gac. méd. de Mexico—Gaceta médica de Mexico. Academia Nacional de medicina, Apartado de Correos no. 517, Mexico, D.F.

Gaz. clin.—Gazeta clínica. Publicação médica paulista, Rua de S. Bento 14, São Paulo, Brazil

Gaz. méd. de France—Gazette médicale de France et des pays de langue française. 9 rue de l'Odéon, Paris

Supplements: Arch. droit climat. et hyg.—Les archives du droit climatique et de l'hygiène; Climat. d'été.—Climatologie d'été; Stat. therm. franç.—Les stations thermales françaises

Gazz. d. osp.—Gazzetta degli ospedali e delle cliniche. Dott. Francesco Vallardi, Via Ausonio 22, Milan, Italy

Geneesk. gids—Geneeskundige gids. Tijdschrift voor geneeskunst en volksgezondheid. Vos Int Trintger 1, The Hague, Holland

Geneesk. tijdschr. v. Neder.—Indië—Geneeskundig tijdschrift voor Nederlandsch-Indië. G. Kolff & Co., Petjenongan 72, Batavia C, Java

Génie Civil—Génie Civil. 5 rue Jules Le Febvre, Paris

Gentleman's Mag.—The Gentleman's Magazine. London

Gesundh. u. Erzieh.—Gesundheit und Erziehung. Dorotheenstrasse 28a, Berlin, N.W. 7

Gesundh.-Ing.—Gesundheits-Ingenieur. Berlin

Gig. i sotsialist. zdravookh.—Gigiena i sotsialisticheskoye zdravookhranenie. Narkomzdrav, Ilinka 10, Moscow, Russia

Gior. di batteriol. e immunol.—Giornale di batteriologia e immunologia. Ospedale Maria Vittoria, Via Medail, 3 (angolo via Cibrario), Torino, 117, Italy

Gior. d. R. Soc. ital. d'ig.—Giornale della Reale Società italiana d'igiene. Via Ospedale 3, Milan, Italy

Golden Bk.—Golden Book. Continued as Fiction Parade

Good Health—Good Health. 271 West Main St., Battle Creek, Mich.

Good Housekeep.—Good Housekeeping. International Magazine Company, Inc., 57th St. at 8th Ave., New York City

Guy's Hosp. Gaz.—Guy's Hospital Gazette. London Bridge, London, S.E. 1

Hahnemannian M.—Hahnemannian Monthly. 269 South 19th St., Philadelphia, Pa.

Harper's Baz.—Harper's Bazaar. Harper's Bazaar, Inc., 572 Madison Ave., New York City

Harper's W.—Harper's Weekly. See Harper's Magazine. Now monthly

Health—Health. Pacific Press Publishing Association, Mountain View, Calif.

Hearst's Internat. & Cosmopol.—Hearst's International combined with Cosmopolitan. Hearst Magazines, Inc., 57th St. at 8th Ave., New York City

Heart—Heart. Continued as Clinical Science

Heat. & Ventil.—Heating and Ventilating. National Trade Journals, 521 Fifth Ave., New York City

Hôpital—L'hôpital. 39 rue d'Amsterdam, Paris

House Beaut.—House Beautiful. Field Publications, Inc., 572 Madison Ave., New York City

House & Garden—House and Garden. Condé Nast Publications, Inc., Boston Post Road, Greenwich, Conn.

Hyg. & Phys. Educ.—Hygiene and Physical Education. Ceased publication

Hygeia—Hygeia. American Medical Association, 535 North Dearborn St., Chicago, Ill.

Idler—Idler. Ceased publication

Igiene mod.—Igiene moderna. Fumagalli & C., Via A. M. Maragliano 3, Genoa, Italy

Illinois M. J.—Illinois Medical Journal. 6221 Kenmore Ave., Chicago, Ill.

Illus. World—Illustrated World. Continued as Popular Mechanics

L'Illustration—L'Illustration. L'Illustration, 13 rue Saint-Georges, Paris

Indep.—The Independent. Independent Weekly Publications, Bouvierie House, Fleet St., London

Indep. Woman—Independent Woman. Candler Building, Baltimore, Md.

Indian J. M. Research—Indian Journal of Medical Research. Thacker, Spink & Co., P.O. Box 54, Calcutta, India

Indian M. Gaz.—Indian Medical Gazette. Thacker, Spink & Co., P.O. Box 54, Calcutta, India

Indust. & Engin. Chem.—Industrial and Engineering Chemistry. Mills Building, Washington, D.C.

Internat. Congress of Med. Wom., Proc.—International Congress of Medical Women, Proceedings. International Congress of Medical Women, Mlle. Napier-Ford, Sec., Association Internationale des Femmes-Médecines, 8 rue d'Aguesseau, Paris

Internat. J. Pub. Health—International Journal of Public Health. League of Red Cross Societies, Geneva, Switzerland

Internat. Sports—International Sports in News and Pictures. Pardon My Glove Publishing Corp., 551 Fifth Ave., New York City

Intersch. Swim. Coaches' Assoc. Am., Bull.—Interscholastic Swimming Coaches' Association of America, Bulletin. Alfred A. Neuschafer, Sec., 1939, Central High School, Trenton, N.J.

Iowa Pub. Health Bull.—Iowa Public Health Bulletin. Iowa State Department of Health, Des Moines, Iowa

Irish J. M. Sc.—Irish Journal of Medical Science. Cahill & Co., Ltd., Parkgate Printing Works, Dublin, Ireland

Iron Age—Iron Age. Middletown, N.Y.

J. Am. Assoc. Hyg. & Baths—Journal of the American Association for Promotion of Hygiene and Public Baths. Ceased publication

J. Am. Med. Assoc.—Journal of the American Medical Association. 535 North Dearborn St., Chicago, Ill.

J. Am. Pub. Health Assoc.—Journal of the American Public Health Association. 50 West 50th St., New York City

J. Am. Water Works Assoc.—Journal of the American Water Works Association. American Water Works Association, 29 West 39th St., New York City

J. Arkansas M. Soc.—Journal of the Arkansas Medical Society. 610 First National Bank Building, Fort Smith, Ark.

J. Bact.—Journal of Bacteriology. Williams & Wilkins Company, Mt. Royal and Guilford Aves., Baltimore, Md.

J. Biol. Chem.—Journal of Biological Chemistry. Williams & Wilkins Company, Mt. Royal and Guilford Aves., Baltimore, Md.

J. Bone & Joint Surg.—Journal of Bone and Joint Surgery. Boston Medical Library Building, 8 The Fenway, Boston, Mass.

J. **Boston Soc. Civil Engin.**—Journal of the Boston Society of Civil Engineers. Boston, Mass.

J. **Chem. Educ.**—Journal of Chemical Education. Journal of Chemical Education, 20th and Northampton Sts., Easton, Pa.

J. **Clin. Investigation**—Journal of Clinical Investigation. 654 Madison Ave., New York City

J. **Educ.**—Journal of Education. New England Publishing Company, 6 Park St., Boston, Mass.

J. **Health & Phys. Educ.**—Journal of Health and Physical Education. 311 Maynard St., Ann Arbor, Mich.

J. **Hyg.**—Journal of Hygiene. Cambridge University Press, Fetter Lane, London, E.C. 4

J. **Indiana M. A.**—Journal of the Indiana State Medical Association. 1021 Hume Mansur Building, Indianapolis, Ind.

J. **Indust. & Engin. Chem.**—Journal of Industrial and Engineering Chemistry. Easton, Pa.

J. **Indust. Hyg.**—Journal of Industrial Hygiene and Toxicology with Abstract of Literature. Williams & Wilkins Company, Mt. Royal and Guilford Aves., Baltimore, Md.

J. **Infect. Dis.**—Journal of Infectious Diseases. Memorial Institute for Infectious Diseases, 637 South Wood St., Chicago, Ill.

J. **Inst. Elect. Engin.**—Journal of Institute of Electrical Engineers. Institution of Electrical Engineers, Savoy Place, Victoria Embankment, London

J. **Kansas M. Soc.**—Journal of Kansas Medical Society. 406 Columbian Building, Topeka, Kan.

J. **Lab. & Clin. Med.**—Journal of Laboratory and Clinical Medicine. C. V. Mosby Company, 3523 Pine Boulevard, St. Louis, Mo.

J. **M. Soc. New Jersey**—Journal of the Medical Society of New Jersey. American Mechanic Building, 143 East State St., Trenton, N.J.

J. **de méd. de Bordeaux**—Journal de médecine de Bordeaux et du Sud-Ouest. 6, place Saint-Christoly, Bordeaux, France

J. **de méd. et chir. prat.**—Journal de médecine et de chirurgie pratiques. Rue de Nesles, 8, Paris

J. **méd. franç.**—Le journal médical français. 21 rue Cassette, Paris

J. **de méd. de Lyon**—Le journal de médecine de Lyon. 52 rue Victor Hugo, Lyon, France

J. **de méd. de Paris**—Journal de médecine de Paris. 53 rue de la Procession, Paris

J. **Michigan M. Soc.**—Journal of Michigan State Medical Society. Lansing, Mich.

J. **Minnesota M. A.**—Journal of the Minnesota Medical Association. Minneapolis, Minn.

J. **Nat. Philos.**—Journal of Natural Philosophy. London

J. **New England Water Works Assoc.**—Journal of the New England Water Works Association. Boston, Mass.

J. **New Jersey Med. Soc.**—Journal of the New Jersey Medical Society. Medical Society of New Jersey, 143 East State St., Trenton, N.J.

J. **Ohio State Dept. Health**—Journal of the Ohio State Department of Health. Ohio State Department of Health, Columbus, O.

J. **Oklahoma M. Assoc.**—Journal of Oklahoma State Medical Association. 203 Ainsworth Building, McAlester, Okla.

J. **Phys. Educ.**—Journal of Physical Education. Mr. William T. Rowe, 1400 East 53d St., Chicago, Ill.

J. **Phys. Educ. & School Hyg.**—Journal of Physical Education and School Hygiene

J. **Physiol.**—Journal of Physiology. Cambridge University Press, Fetter Lane, London, E.C. 4

J. **d. praticiens**—Journal des praticiens. See Rev. gén. de clin. et de thérap.

J. **Prev. Med.**—Journal of Preventive Medicine. 5724 Ellis Ave., Chicago, Ill.

J. **Roy. Army M. Corps**—Journal of the Royal Army Medical Corps. A.M.D. 2, War Office, Whitehall, London, S.W. 1

J. **Roy. Inst. Brit. Architects**—Journal of the Royal Institute of British Architects. Royal Institute of British Architects, 66, Portland Place, London, W. 1

J. **Roy. Inst. Pub. Health & Hyg.**—Journal of the Royal Institute of Public Health and Hygiene incorporating Journal of State Medicine. 28, Portland Place, London, W. 1

J. **Roy. San. Inst.**—Journal of the Royal Sanitary Institute. Royal Sanitary Institute, 90, Buckingham Palace Road, London, S.W. 1

J. **Sc. Phys. Train.**—Journal of Scientific Physical Training. Birmingham, Eng.

J. **State Med.**—Journal of State Medicine. Continued as Journal of the Royal Institute of Public Health & Hygiene

Jap. J. M. Sc.—Japanese Journal of Medical Sciences. (Thirteen sections) National Research Council of Japan. The Secretary, National Research Council of Japan, Imperial Academy House, Ueno Park, Tokyo, Japan

Journal-Lancet—Journal-Lancet. Representing the Medical Profession of Minnesota, North Dakota, South Dakota, and Montana. 218 Essex Building, 84 South 10th St., Minneapolis, Minn.

Jr.-Sr. High School Clear. House—Junior-Senior High School Clearing House. Inor Publishing Company, Heidelberg College, Tiffin, O.

Kansas Municip.—Kansas Municipalities. Continued as Kansas Government Journal, Lawrence, Kan.

Kentucky M. J.—Kentucky Medical Journal. 519 Tenth St., Bowling Green, Ky.

Klin. Wchnschr.—Klinische Wochenschrift. Julius Springer, Linkstrasse 23, Berlin

Knowledge—Knowledge, an illustrated magazine of science. London

Ladies' Home J.—Ladies' Home Journal. Curtis Publishing Company, Independence Square, Philadelphia, Pa.

Lancet—Lancet. 7 Adam St., Adelphi, London, W.C. 2

Land. Architect.—Landscape Architecture. American Society of Landscape Architects, Harrisburg, Pa.

Leibesübungen—Die Leibesübungen und körperliche Erziehung. Weidmannsche Buchhandlung, Zimmerstrasse 94, Berlin

Leisure Hour—The Leisure Hour. London

Liège méd.—Liége médical. 4 Place St. Michel, Liége, Belgium

Life-boat—The Life-boat; journal of the Royal National Life-boat Institution. C. Knight, London

Lippincott's M. Mag.—Lippincott's Monthly Magazine. London; Philadelphia, Pa.

Lit. Dig.—Literary Digest. After several changes of title merged with Time, beginning with issue of May 23, 1938

Living Age—Living Age. Harrison-Hilton Books, Inc., 63 Park Row, New York City

London Soc.—London Society. London

Long Island M. J.—Long Island Medical Journal. Associated Physicians of Long Island, Brooklyn, N.Y.

M. Bull. Vet. Admin.—The Medical Bulletin of the Veterans' Administration. Government Printing Office, Washington, D.C.

M. J. Australia—Medical Journal of Australia. Seamer St., Glebe, Sydney, Australia

M. Officer—The Medical Officer. 36-38 Whitefriars St., Fleet St., London, E.C. 4

M. Press—Medical Press and Circular. 7 and 8, Henrietta St., Covent Garden, London, W.C. 2

M. Times & Gaz.—Medical Times and Gazette. Ceased publication

Maaned. f. Prak. laeg. o. Soc. Med.—Maa-nedsskrift for Praktisk laegegerning og Social Medicin. Copenhagen, Denmark

Masters, Mates & Pilots Rev.—Masters, Mates and Pilots' Review. American Association of Masters, Mates and Pilots of the West, San Francisco, Calif.

McClure—McClure's Magazine. Ceased publication

Med. Age—Medical Age. Ceased publication

Med.-chirur. Tr.—The Medico-chirurgical Transactions. London

Med. doświadcz. i spol.—Medycyna doświadczalna i społeczna. Chocimska 24, Warsaw, Poland

Med. Insur. & Health Conserv.—Medical Insurance and Health Conservation. Dallas, Tex.

Med. ital.—La medicina italiana. Via Commedia 9, Milan, Italy

Med. J. & Rec.—Medical Journal and Record. Continued as Medical Record

Med. Klin.—Medizinische Klinik. Urban & Schwarzenberg, Friedrichstrasse 105B, Berlin

Med. Kor.-Bl. f. Würtemberg—Medizini-sches Korrespondenzblatt für Würtem-berg. Keplerstrasse 26, Stuttgart, Ger-many

Med. Life—Medical Life. 4 St. Luke's Place, New York City

Med. Rec.—Medical Record. Medical Jour-nal and Record Publishing Company, 110 Washington Square, New York City

Med. Rev. of Rev.—Medical Review of Re-views. Continued as Medical Life

Med. Welt—Die medizinische Welt. Schöne-berger Strasse 10, Berlin, S.W. 11

Med. zhur.—Medichnyi zhurnal. Vseukrain-ska Akademiya Nauk, Kiev, Ukraine

Médecine—La médecine. Including Supplément. 1 rue Cassini, Paris

Mededeel. v. d. dienst d. volksgezondh. in Nederl.-Indië.—Mededeelingen van den dienst der volksgezondheid in Neder-landsch-Indië. Foreign edition. G. Kolff & Co., Petjenongan 72, Batavia, Java

Medicina, Madrid—Medicina. Revista mensual de ciencias médicas. Ayala, 27 (moderno) Madrid, Spain

Mem. et Compte Ren. des Travaux de la Soc. des Ing. Civ.—Memoirs et Compte Rendu des Travaux de la Société des Ingénieurs Civils de France. 19 rue Blanche, Paris

Men—Men. Ceased publication

Ment. Hyg.—Mental Hygiene. National Committee for Mental Hygiene, Inc., 372-374 Broadway, Albany, N.Y.

Met. Work—Metal Workers Bulletin. Ceased publication

Michigan State Health Bull.—Michigan State Health Bulletin. Michigan State Department of Public Health, Lansing, Mich.

Mil. Surg.—Military Surgeon. Army Medi-cal Museum, Washington, D.C.

Mind & Body—Mind and Body. Mind and Body Publishing Company, New Ulm, Minn.

Minerva med.—Minerva medica. Via Martiri Fascisti 15, Casella Postale 491, Torino, Italy

Minnesota Med.—Minnesota Medicine. 2642 University Ave., St. Paul, Minn.

Minnesota Municip.—Minnesota Municipalities. Minneapolis, Minn.

Mod. Bauf.—Moderne Bauformen. Paulinen-strasse 44, Stuttgart, Germany

Mod. Hosp.—Modern Hospital. 919 North Michigan Ave., Chicago, Ill.

Mod. Mechan., Hobbies & Invent.—Modern Mechanix, Hobbies and Inventions. Modern Mechanix Publishing Com-pany, Broadway and 11th St., Louis-ville, Ky.

Mod. Mechan. & Invent.—Modern Me-chanics and Inventions. 529 South 7th St., Minneapolis, Minn.

BIBLIOGRAPHY OF SWIMMING

Mod. Med.—Modern Medicine. Modern Medicine Publishing Company, 269 West Michigan Ave., Battle Creek, Mich.

Monatschr. f. Ohrenh.—Monatsschrift für Ohrenheilkunde und Laryngo-Rhino-ologie. Urban & Schwarzenberg, Frank-gasse 4, Vienna, Austria

Monatschr. f. Unfallh.—Monatsschrift für Unfallheilkunde und Versicherungs-medizin. F. C. W. Vogel, Linkstrasse 23/24, Berlin, W. 9

Monatsh. Bauk.—Monatshefte für Baukunst und Städtebau, Sedanstrasse 11, Berlin-Steglitz

Monthly Labor Rev.—Monthly Labor Review. Government Printing Office, Washington, D.C.

Morgagni—Il Morgagni. Ceased publication

München. med. Wchnschr.—Münchener medizinische Wochenschrift. J. F. Lehmanns Verlag, Paul-Heysestrasse 26, Münich, Germany

Municip.—Municipality. Madison, Wis.

Municipal Aff.—Municipal Affairs. Ceased publication

Municipal & County Engin.—Municipal and County Engineering. Municipal Engineering Company, Indianapolis, Ind.

Municipal Engin.—Municipal Engineering. Continued as Municipal & County Engin.

Municipal Ind.—Municipal Index. American City Magazine Corp., 470 Fourth Ave., New York City

Municipal J.—Municipal Journal. Clements Inn, Strand, London, W.C. 2

Municipal News & Water Works—Municipal News and Water Works. Continued as Waterworks Engin.

Municipal Rev.—Municipal Review. Association of Municipal Corporations, Palace Chambers, Bridge St., West-minster, London, S.W. 1

Municipal Rev. Canada—Municipal Review of Canada. Municipal Publishing Company, Ltd., Lachute, Quebec, Canada

Municipal Sanit.—Municipal Sanitation. Case-Shepperd-Mann Publishing Corp., 24 West 40th St., New York City

Munsey's—Munsey's Magazine. Ceased publication

Nagasaki Igakkai Zassi—Nagasaki Igakkai Zassi. Nagasaki Igakkai, Medi-zinische Fakultät zu Nagasaki, Japan

Nat. Ath.—National Athlete. Ceased publication

Nat. Municipal Rev.—National Municipal Review. National Municipal League, 309 East 34th St., New York City

Nat. Repub.—National Republic. National Republic, Inc., 511 Eleventh St., N.W., Washington, D.C.

Nat. Saf. News—National Safety News. National Safety Council, 20 North Wacker Drive, Chicago, Ill.

Nation—The Nation. Nation Press, 20 Vesey St., New York City

Nation's Bus.—Nation's Business. Chamber of Commerce of the United States of America, Washington, D.C.

Nation's Health—The Nation's Health. Continued as American Journal of Public Health

Nation's Schools—The Nation's Schools. The Nation's Schools Publishing Company, 919 North Michigan Ave., Chi-cago, Ill.

Nature—La Nature. La Nature, 120 Boule-vard St.-Germain, Paris

Nature Mag.—Nature Magazine. American Nature Association, 1214 Sixteenth St., N.W., Washington, D.C.

Nederl. tijdschr. v. geneesk.—Nederlandsch tijdschrift voor geneeskunde. Jan. Luy-kenstraat 5, Amsterdam-Zuid, Holland.

New England J. Med.—New England Journal of Medicine. 8 The Fenway, Boston, Mass. Continuation of Boston Medical and Surgical Journal

New England Mag.—New England Magazine. Ceased publication

New Jersey Municip.—New Jersey Municipalities. New Jersey State League of Municipalities, 34 West State St., Trenton, N.J.

New Orleans M. & S. J.—New Orleans Medical and Surgical Journal. 1430 Tulane Ave., New Orleans, La.

New Repub.—New Republic. New Republic, Inc., 40 East 49th St., New York City

New York M. J.—New York Medical Journal. Continued as Medical Journal and Record

New York State Dept. Health Bull.—New York State Department of Health Bul-letin. New York State Department of Health, Albany, N.Y.

New York State J. Med.—New York State Journal of Medicine. 33 West 42nd St., New York City

New York Times—New York Times. Times Building, New York City

News J.—News Journal. University of Wisconsin, Madison, Wis.

News Letter—News Letter of the National Physical Education Service of the Na-tional Recreation Association. National Recreation Association, 315 Fourth Ave., New York City

News Wk.—News Week. News Week, Inc., Rockefeller Center, 1270 Sixth Ave., New York City

Nineteenth Cent.—Nineteenth Century. Lon-don

Nord. hyg. tidskr.—Nordisk hygienisk tidsk-rift. Epidemisjukhuset, Stockholm, Sweden

Nord. med. tidskr.—Nordisk medicinsk tidskrift. Strandvägen 5A, Stockholm, Sweden

Norsk mag. f. lægevidensk.—Norsk magasin for lægevidenskapen. Lovisenberg Syke-hus, Oslo, Norway

North Am. Rev.—North American Review. Harrison-Hilton Books, Inc., 63 Park Row, New York City

North Carolina State Board Health Bull.—North Carolina State Board of Health Bulletin. North Carolina State Board of Health, Raleigh, N.C.

Northwest Med.—Northwest Medicine. Official journal of the Pacific Northwest Medical Association. State Medical Associations of Oregon, Washington and Idaho. 239 Cobb Building, Seattle, Wash.

Notab. Swim. Pools—Notable Swimming Pools and Guide to Equipment and Supplies. Continued as Swimming Pool Data & Reference Annual

Ohio State M. J.—Ohio State Medical Journal. 1005 Hartman Theatre Building, Columbus, O.

Ophth.—Ophthalmology. 711 Cobb Building, Seattle, Wash.

Outing—Outing. Ceased publication

Outlook—The Outlook. Ceased publication

Par. Mag.—Parents' Magazine. Parents' Institute, Inc., 9 East 40th St., New York City

Paris méd.—Paris médical. J. B. Baillièvre et fils, 19 rue Hautefeuille, Paris

Park Internat.—Park International. Park Institute of America, Washington, D.C.

Parks & Recrea.—Parks and Recreation. American Institute of Park Executives, Box 422, Tulsa, Okla.

Pearson's Mag.—Pearson's Magazine. American magazine ceased publication. English magazine published by Arthur Pearson, Ltd., Tower House, Southampton St., London

Pediat.—Pediatrics. Continued as Medical Review of Reviews; later as Medical Life

Pennsylvania M. J.—Pennsylvania Medical Journal. 230 State St., Harrisburg, Pa.

Pennsylvania's Health—Pennsylvania's Health. Pennsylvania State Department of Health, Harrisburg, Pa.

Penny Mag.—Penny Magazine of the Society for the Diffusion of Useful Knowledge. Ceased publication

Penny Pict. Mag.—The Penny Pictorial Magazine. London

Philadelphia Med. & Surg. Rep.—Philadelphia Medical and Surgical Reporter. Philadelphia, Pa.

Philadelphia Pub. Led.—Philadelphia Public Ledger. Philadelphia, Pa.

Phys. Cul.—Physical Culture. Macfadden Publications, Inc., Bartholomew Building, 205 East 42nd St., New York City

Phys. Educ. Health & Recrea. Dig.—Physical Education, Health & Recreation Digest. 5315 Drexel Ave., Chicago, Ill.

Phys. Train.—Physical Training. Continued as Physical Culture

Physiol. Rev.—Physiological Reviews. American Physiological Society, 19 West Chase St., Baltimore, Md.

Physiotherapy Rev.—Physiotherapy Review. American Physiotherapy Association, 719 Barry Ave., Chicago, Ill.

Pict. Rev.-Delin.—Pictorial Review-Delineator. 316 West 57th St., New York City

Playground—Playground. Continued as Recreation

Policlinico (sez. chir.)—Il policlinico (sezione chirurgica). (sez. med.)—Il policlinico (sezione medica). (sez. prat.)—Il policlinico (sezione pratica). Via Sistina, N. 14, Rome, Italy

Polska gaz. lek.—Polska gazeta lekarska. Ul. Rutowskiego 9, Lwów, Poland

Pop. Mechan.—Popular Mechanics. Popular Mechanics Company, 200 East Ontario St., Chicago, Ill.

Pop. Sc.—Popular Science Monthly. Popular Science Publishing Company, 353 Fourth Ave., New York City

Posse Gym. J.—Posse Gymnastic Journal. Posse-Nissen School of Physical Education, Boston, Mass.

Pow. Pl. Engin.—Power Plant Engineering. Philadelphia, Pa.; Chicago, Ill.

Presse méd.—La presse médicale. Masson & Cie, 120 Boulevard Saint-Germain, Paris, 6^e

Presse Therm. et Climat.—La presse thermale et climatique. Paris

Proc. Am. Assoc. Hyg. & Baths—Proceedings of the American Association for Promotion of Hygiene and Public Baths. Ceased publication

Proc. Am. Student Health A.—Proceedings of the American Student Health Association. New York City

Proc. Conf. State & Prov. Health Author. North America—Proceedings of the Conference of State and Provincial Health Authorities of North America. New York City

Proc. N.C.A.A.—Proceedings of the National Collegiate Athletic Association. National Collegiate Athletic Association, New York City

Proc. Nat. Acad. Sc.—Proceedings of the National Academy of Sciences. National Academy of Sciences, Constitution Ave. and B. St., Washington, D.C.

Proc. Roy. Soc., London, s.B.—Proceedings of the Royal Society, series B (Biological Sciences). Harrison & Sons, Ltd., 44-47 St. Martin's Lane, London, W.C. 2

Proc. Roy. Soc. Med.—Proceedings of the Royal Society of Medicine. Longmans, Green & Co., 39 Paternoster Row, London

Proc. Soc. Exper. Biol. & Med.—Proceedings of the Society for Experimental Biology and Medicine. The Griffiths Press, 100 Liberty St., Utica, N.Y.

Proc. Staff Meet., Mayo Clin.—Proceedings of the Staff Meetings of the Mayo Clinic. Rochester, Minn.

Prof. Engin.—Professional Engineer. American Association of Engineers, Chicago, Ill.

Profilak. med.—Profilakticheskaya meditsina. L. D. Ulianoff, 14 Pushkinskaya, Khar'kov, Ukraine

Progrès méd.—Le progrès médical. 41 rue des Écoles, Paris

Pub. Health J.—Public Health Journal. Continued as Canad. Pub. Health J.

Pub. Health News—Public Health News. New Jersey State Department of Health, Trenton, N.J.

Pub. Health Nurse—Public Health Nurse. Continued as Public Health Nursing.

Pub. Health Nursing—Public Health Nursing, 50 West 50th St., New York City.

Pub. Health Rep.—Public Health Reports. Superintendent of Documents, Government Printing Office, Washington, D.C.

Pub. Works—Public Works. New York City.

Quart. Bull.—Quarterly Bulletin. West Virginia State Department of Health, Charleston, W. Va.

Quart. J. Exper. Physiol.—Quarterly Journal of Experimental Physiology. Charles Griffin & Co., Ltd., 42 Drury Lane, London, W.C. 2.

Radiol. med.—La radiologia medica, rivista mensile. Via Poerio 13, Milan, Italy.

Rassegna di fisioter. clin. e terap.—Rassegna di fisioterapia clinica e terapeutica. Casa Editrice Vallerini, Casella postale 11, Pisa, Italy.

Rassegna di med. appl. lavoro indust.—Rassegna di medicina applicata al lavoro industriale. Via Meucci, 2, Torino, Italy.

Read. Dig.—Reader's Digest. Reader's Digest Association, Inc., Pleasantville, N.Y.

Recrea.—Recreation. National Recreation Association, 315 Fourth Ave., New York City.

Red Cross Cou.—Red Cross Courier. American Red Cross, Washington, D.C.

Res. Quart.—Research Quarterly. American Association for Health and Physical Education, 311 Maynard St., Ann Arbor, Mich.

Rev. Deux Mon.—Revue des Deux Mondes. 15 rue de l'Université, Paris.

Rev. españ. de med. y cir.—Revista española de medicina y cirugía. Cruz Verde a Vilaquez 79, Caracas, Venezuela.

Rev. filipina de med. y farm.—Revista filipina de medicina y farmacia. Organo del Colegio Médico—Farmacéutico de Filipinas, Lepanto 879, Manila, P.I.

Rev. gén. de clin. et de thérap.—Revue générale de clinique et de thérapeutique. Journal des praticiens. 8 Square du Croisic (Bd. Montparnasse), Paris.

Rev. d'hyg.—Revue d'hygiène et de médecine preventive. Masson & Cie, 120 Boulevard Saint-Germain, Paris, 6^e.

Rev. & Inform. Bull.—Review and Information Bulletin of the League of Red Cross Societies. 2 Ave. Velasquez, Paris.

Rev. internat. de méd. et de chir.—Revue internationale de médecine et de chirurgie. Ceased publication.

Rev. internat. du trachome—Revue internationale du trachome. Ch. Terroux, 8 Rue d'Ulm, Paris.

Rev. méd.-chir. d. mal. du foie—Revue médico-chirurgicale des maladies du foie, du pancréas et de la rate. Vigot Frères, 23 rue de l'École-de-Médecine, Paris.

Rev. méd. del Rosario—Revista médica del Rosario (República Argentina). Circulo Médico, Calle Italia 663, Rosario de Santa Fe, Argentina.

Rev. méd. de la Suisse Rom.—Revue médicale de la Suisse Romande. Librairie Pavot & Cie, 1 rue de Bourg, Lausanne, Switzerland.

Rev. of Rev.—Review of Reviews. Continued as Digest. Ceased publication.

Rev. de Sc. Gén.—Revue de Science Générale. Information may be obtained from Messageries du Livre, 27 rue de Seine, Paris.

Rev. Scient.—Revue Scientifique. Revue Rose, Paris.

Rhode Island M. J.—Rhode Island Medical Journal. Rhode Island Medical Society, 106 Francis St., Providence, R.I.

Riforma med.—La riforma medica. Via Cesare Battisti 53, Naples, Italy.

Riv. di idroclimat., talassol. e terap. fis.—Rivista di idroclimatologia, talassologia e terapia fisica. Via Pascoli, 37, Milan, Italy.

Riv. di sc. applicate all'educ. fis. e giovan.—Rivista di scienze applicate all'educazione fisica e giovanile. Accademia Fascista d'Educazione Fisica, Foro Mussolini, Rome, Italy.

Rock Products—Rock Products. 205 West Wacker Drive, Chicago, Ill.

România med.—România medicale. Str. Olari 15, Bucharest, 4, Rumania.

Roy. Mag.—The Royal Magazine. London.

Rur. Man.—Rural Manhood. Ceased publication.

Saf. Educ.—Safety Education Magazine. National Safety Council, Inc., 20 North Wacker Drive, Chicago, Ill.

Sat. Eve. Post—Saturday Evening Post. Curtis Publishing Company, Independence Square, Philadelphia, Pa.

Sat. Rev. Lit.—Saturday Review of Literature. Harrison-Hilton Books, Inc., 63 Park Row, New York City.

Sc.—Science. Science Press Publishing Company, 3941 Grand Central Terminal Building, New York City.

Sc. Am.—Scientific American. Munn & Co., Inc., 24 West 40th St., New York City.

Sc. M.—Scientific Monthly. Science Press Publishing Company, 3941 Grand Central Terminal Building, New York City.

Sc. News Letter—Science News Letter. Science Service, 2101 Constitution Ave., Washington, D.C.

Sc. Prog.—Science Progress. London.

Scholastic—Scholastic. Scholastic Corp., Chamber of Commerce Building, Pittsburgh, Pa.

Scholastic C.—Scholastic Coach. Scholastic Coach Book Shop, 250 East 43rd St., New York City.

School Hyg. (Eng.)—School Hygiene (English). Continued as Journal of Physical Education and School Hygiene.

School Life—School Life. United States Department of the Interior, Office of Education, Washington, D.C.

School Manag.—School Management. 9 East 40th St., New York City

School Rev.—School Review. Ithaca, N.Y.

School Sc. & Math.—School Science and Mathematics. Central Association of Science and Mathematics Teachers, Inc., 450 Ahnaip St., Menasha, Wis.

School & Soc.—School and Society. Science Press Publishing Company, 3941 Grand Central Terminal Building, New York City

Schweiz. Bauzeit.—Schweizerische Bauzeitung. Dianastrasse 5, Zürich, Switzerland

Schweiz. med. Wehnschr.—Schweizerische medizinische Wochenschrift. Benno Schwabe & Co., Klosterberg 27, Basel, 10, Switzerland

Sei-I-Kai M. J.—Sei-I-Kai Medical Journal. Jikei kai Medical College, Shiba-ku, Tokyo, Japan

Semana médica.—La semana médica. 2240-2248 Calle Córdoba, Buenos Aires, Argentina

Service Bull.—Service Bulletin. National Section on Women's Athletics, American Association for Health and Physical Education, 1201 Sixteenth St., N.W., Washington, D.C.

Siglo médico.—El siglo médico. Apartado de Correos 121, Madrid, Spain

Sitzungsb. d. Gesellsch. z. Beförd. d. ges. Naturw. zu Marburg.—Sitzungsberichte der Gesellschaft zur Beförderung der gesamten Naturwissenschaften zu Marburg. 32½ Wilhelmstrasse, Marburg, Germany

Sitzungsb. d. phys.-med. Soz. zu Erlangen.—Sitzungsberichte der physikalisch-medizinischen Societät zu Erlangen. Max Mencke, Erlangen, Germany

Skandinav. Arch. f. Physiol.—Skandinavisches Archiv für Physiologie. Handverkaregatan 34a, Stockholm, Sweden; W. de Gruyter & Co., Genthinerstrasse 38, Berlin, W. 10

Soc. de méd. mil. franç.—Bull. mens.—Société de médecine militaire française. Bulletin mensuel. Charles-Lavauzelle & Cie, 124 Boulevard Saint-Germain, Paris

Sociol. & Social Res.—Sociology and Social Research. Southern California Sociological Society, 3551 University Ave., Los Angeles, Calif.

South Dakota Pub. Health Bull.—South Dakota Public Health Bulletin. Pierre, S.D.

South. Med. J.—Southern Medical Journal. Empire Building, Birmingham, Ala.

Sovet. vestnik oftal.—Sovetskiy vestnik oftalmologii. Continued as Vestnik oftalmologii

Sovet. vrach. gaz.—Sovetskiy vrachebniy gazeta. Continued as Sovetskiy vrachebnyi zhurnal

Sovet. vrach. zhur.—Sovetskiy vrachebnyi zhurnal. Pr. 25 Oktjabra, 28 (Dom Knigi), Leningrad, 11, Russia

Spectat.—Spectator. Now published in two units: Spectator American Review of Life Insurance and Spectator Property Insurance Review. New York City

Sport St.—Sport Story Magazine. Street and Smith Corp., 79 Seventh Ave., New York City

Sportmedizin.—Sportmedizin. Mühlweg 26, Halle, Germany

Sports Illus.—Sports Illustrated and the American Golfer. Sports Illustrated, Inc., Greenwich, Conn.

Sportsman—Sportsman. Merged with Country Life

Sportswoman—Sportswoman. Ceased publication

Springfield Un. & Repub.—Springfield Union and Republican. Springfield Union and Republican, Springfield, Mass.

Squire—The Squire, a monthly magazine for country gentlemen. Franklyn & Co., London

St. Nichol.—St. Nicholas Magazine. Educational Publishing Corp., 419 Fourth Ave., New York City

Steel—Steel. Cleveland, O.

Strand Mag.—Strand Magazine. London

Studium—Studium. Rivista di scienza medica. Corso Umberto I, 35, Naples, Italy

Suburb. Life—Suburban Life. Ceased publication

Sunset—Sunset. Lane Publishing Company, 1045 Sansome St., San Francisco, Calif.

Surg. Clin. N. Am.—Surgical Clinics of North America. W. B. Saunders Company, West Washington Square, Philadelphia, Pa.

Surg., Gynec. & Obst.—Surgery, Gynecology and Obstetrics with International Abstract of Surgery. Surgical Publishing Company, 54 East Erie St., Chicago, Ill.; 8 Henrietta St., Covent Garden, London, W.C. 2

Surv.—Survey. Survey Associates, Inc., 112 East 19th St., New York City

Surveyor—Surveyor. A. G. Hall, 56 Pine St., New York City

Svenska läk.-sällsk. handl.—Svenska läkäresällskapets handlingar. Svenska Läkäresällskapets Expedition, Stockholm, Sweden

Swim.—Swimming. Ceased publication

Swim. Guide.—Swimming Guide, N.C.A.A. (Spalding's Athletic Library). American Sports Publishing Company, 115 Fulton St., New York City

Swim. News—Swimming News. London

Swim. Pool Data & Ref. Ann.—Swimming Pool Data and Reference Annual. Hoffman-Harris, Inc., 425 Fourth Ave., New York City

Swim. Pool World—Swimming Pool World. Ceased publication

Swim. Times—Swimming Times. The Swimming Times, 4, Waddon Park Ave., Croydon, London

Swimmer—The Swimmer. Ceased publication

Teachers Col. Rec.—Teachers College Record. Teachers College, Columbia University, New York City

Tech. World—Technical World Magazine. Continued as Popular Mechanics

Techn. Gemeindeblatt—Technisches Gemeindeblatt. Mauerstrasse 44, Berlin

Tijdschr. v. sociale hyg.—Tijdschrift voor sociale hygiene en hygienische bladen. Orgaan v. h. Nederl. Contres voor openbare gezondheidsregeling. J. J. Tijl, Zwolle, Holland

Time—Time. Time, Inc., 350 East 22nd St., Chicago, Ill.

Tohoku J. Exper. Med.—The Tohoku Journal of Experimental Medicine. Medical Library, Tohoku Imperial University, Kitayobantyo, Sendai, Japan

Tr. Am. Laryng., Rhin. & Otol. Soc.—Transactions of the American Laryngological, Rhinological and Otological Society, Inc. Boston, Mass.

Tr. Illum. Engin. Soc—Transactions of the Illuminating Engineering Society. Easton, Pa.

Tr. Roy. Soc. Edinburgh—Transactions of the Royal Society of Edinburgh. Williams & Norgate, Ltd., 28 Little Russell St., London

Tr. Sect. Laryng., Otol. & Rhin., A.M.A.—Transactions of the Section on Laryngology, Otology and Rhinology of the American Medical Association. 535 North Dearborn St., Chicago, Ill.

Train. Nurse & Hosp. Rev.—Trained Nurse and Hospital Review. Lakeside Publishing Company, 468 Fourth Ave., New York City

Trans Pacif.—Trans Pacific. Tokyo, Japan

Travel—Travel. Robert M. McBride & Co., 4 West 16th St., New York City

U. S. Nav. Inst. Proc.—United States Naval Institute Proceedings. United States Naval Institute, Menasha, Wis.

U. S. Nav. M. Bull.—United States Naval Medical Bulletin. Superintendent of Documents, Government Printing Office, Washington, D.C.

U. S. Vet. Bur. M. Bull.—United States Veterans' Bureau Medical Bulletin. See M. Bull. Vet. Admin.

Ugesk. f. læger.—Ugeskrift for læger. Den alm. danske lægeforening. 5, Amaliagade, Copenhagen, Denmark

Umschau—Umschau. Niddastrasse 81, Frankfurt am Main, Germany

Union méd. du Canada—L'union médicale du Canada. 326 est, Boulevard Saint-Joseph, Montreal, Canada

Urol. & Cutan. Rev.—Urologic and Cutaneous Review. 3700 Enright Ave., St. Louis, Mo.

Valsalva—Il valsalva. Rivista mensile di oto-rino-laringo-jatria. Via Sistina 14, Rome, Italy

Vanity Fair—Vanity Fair. Condé Nast Publications, Inc., Boston Post Road, Greenwich, Conn.

Vereinsbl. d. pfälz. Aerzte—Vereinsblatt der pfälzischen Aerzte. Frankenthal, Germany

Verhandl. d. deutsch. Gesellsch. f. inn. Med.—Verhandlungen der Deutschen Gesellschaft für innere Medizin. Trogerstrasse 56, Munich, Germany

Verhandl. d. deutsch. Gesellsch. f. Kreislaufforsch.—Verhandlungen der Deutschen Gesellschaft für Kreislaufforschung. Residenzstrasse 32, Dresden, Germany

Verhandl. d. Gesellsch. f. Verdauungs- u. Stoffwechselkr.—Verhandlungen der Gesellschaft für Verdauungs- und Stoffwechselkrankheiten. Rossplatz 12, Leipzig, Germany

Veröffentl. a. d. Geb. d. Med.-Verwalt.—Veröffentlichungen aus dem Gebiete der Medizinalverwaltung. Continued as Veröffentlichungen aus dem Gebiete der Volksgesundheitsdienstes

Veröffentl. a. d. Geb. d. Volksgesundheitsdienstes.—Veröffentlichungen aus dem Gebiete des Volksgesundheitsdienstes. Wilhelmstrasse 125, Berlin

Vestnik oftal.—Vestnik oftalmologii. Orlkov per., D. 3, Biomedgiz., Otdel podpiski, Moscow, Russia

Victoria Mag.—The Victoria Magazine. London

Volta Rev.—Volta Review. Volta Bureau, 1537 Thirty-fifth St., N.W., Washington, D.C.

Voy.-med. j.—Voyenno-meditsinsky jurnal. The Military Academy, Moscow, Russia

Vrach. dielo.—Vrachebnoye dielo; nauchniy meditsinskiy jurnal. Pushkinskaya 14, Kharkov, Ukraine

Vrtljscr. f. gerichtl. Med.—Vierteljahrsschrift für gerichtliche Medizin. Berlin

Water Sports—Water Sports, N.S.W.A. (Spalding's Athletic Library) American Sports Publishing Company, 115 Fulton St., New York City

Water Works—Water Works and Sewerage. 330 South Wells St., Chicago, Ill.

Waterworks Engin.—Waterworks Engineering. 24 West 40th St., New York City

West Virginia M. J.—West Virginia Medical Journal. Public Library Building, Charleston, W. Va.

West Virginia State Dept. Health Quart. Bull.—West Virginia State Department of Health Quarterly Bulletin. West Virginia State Department of Health, Charleston, W. Va.

Westermann's Monatsh.—Westermann's Monatshefte. Dörnbergstrasse 5, Berlin, W. 35

Western City—Western City. Palmer Publications, Inc., Bendix Building, Los Angeles, Calif.

Wien. Arch. f. inn. Med.—Wiener Archiv für innere Medizin. Urban & Schwarzenberg, Frankgasse 4, Vienna, Austria

Wien. klin. Wochenschr.—Wiener klinische Wochenschrift. Julius Springer, Schottengasse 4, Vienna, Austria

Wien. med. Wochenschr.—Wiener medizinische Wochenschrift. Moritz Perles, Seilergrasse 4, Vienna, Austria

Windsor Mag.—The Windsor Magazine. London

Wisconsin M. J.—Wisconsin Medical Journal. 119 East Washington Ave., Madison, Wis.

Wissenschaft. Festschr., Josef Reinhold (Slav-nostni spis, Josefu Reinholdovi).—Wissenschaftliche Festschrift zum 50. Geburtstage des Herrn Dr. Med. et Phil. Josef Reinhold. Rudolf M. Rohrer, Ra-singasse 7, Brünn, Czechoslovakia

Die Woche—Die Woche. Berlin

Woman Citiz.—Woman Citizen. Continued as Woman's J.

Woman's Home Comp.—Woman's Home Companion. Crowell Publishing Company, Springfield, O.

Woman's J.—Woman's Journal. Woman Citizen Corp., 171 Madison Ave., New York City

Women's Swim. Assoc. News—Women's Swimming Association News. Ceased publication

World Rev.—World Review. 40 Chandos St., London

World Today—World Today. Continued as Hearst's International

World's Health—World's Health. Continued as Review and Information Bulletin of the League of Red Cross Societies

"Y" Spokesman—"Y" Spokesman. Shanghai, China

Yale Med. J.—Yale Medical Journal. Yale University, New Haven, Conn.

Young England—Young England. London

Young Men—Young Men. Ceased publication

Young Men's Era—Young Men's Era. Ceased publication

Youth's Comp.—Youth's Companion. Combined with American Boy

Yrbk. Danish Fishing Fleet—Yearbook of the Danish Fishing Fleet. Copenhagen, Denmark

Zentralbl. f. Bakt.—Zentralblatt für Bakteriologie, Parasitenkunde und Infektionskrankheiten (Abteilung 1, Originale). Gustav Fischer, Jena, Germany

Zentralbl. f. Bauv.—Zentralblatt für Bauverwaltung. Am Festungsgraben 1, Berlin, C. 2

Zentralbl. f. Chir.—Zentralblatt für Chirurgie. Lietzenseeuf 6, Berlin-Charlottenburg; Salomonstrasse 18B, Leipzig, C. 1, Germany

Zentralbl. f. Gewerbehyg.—Zentralblatt für Gewerbehygiene und Unfallverhütung. Julius Springer, Linkstrasse 23, Berlin

Zentralbl. f. Gynäk.—Zentralblatt für Gynäkologie. Salomonstrasse 18B, Leipzig, Germany

Zentralbl. f. inn. Med.—Zentralblatt für innere Medizin. Salomonstrasse 18B, Leipzig, Germany

Zoologica—Zoologica. Zoological Society Bulletin. 185th St. and Southern Boulevard, New York City

Ztschr. f. ärztl. Fortbild.—Zeitschrift für ärztliche Fortbildung. Gustav Fischer, Jena, Germany

Ztschr. f. Augenh.—Zeitschrift für Augenheilkunde. S. Karger, Karlstrasse 39, Berlin

Ztschr. f. Bauwes.—Zeitschrift für Bauwesen. Continued as Zentralblatt für Bauverwaltung

Ztschr. f. Desinfekt. u. Gsndhtsw.—Zeitschrift für Desinfektions- und Gesundheitswesen. Eric Deleiter, Dresden, Germany

Ztschr. f. d. ges. exper. Med.—Zeitschrift für die gesamte experimentelle Medizin. Julius Springer, Linkstrasse 23, Berlin

Ztschr. f. Gesundhtech. u. Städtehyg.—Zeitschrift für Gesundheitstechnik und Städtehygiene. Hygiene-Verlag Deleiter, Dresden A, 16, Germany

Ztschr. f. d. ges. Krankenhausw.—Zeitschrift für das gesamte Krankenhauswesen. Julius Springer, Linkstrasse 23, Berlin

Ztschr. f. d. ges. phys. Therap.—Zeitschrift für die gesamte physikalische Therapie. Continued as Balneologie

Ztschr. f. Hyg. u. Infektionskr.—Zeitschrift für Hygiene und Infektionskrankheiten. Julius Springer, Linkstrasse 23, Berlin

Ztschr. f. klin. Med.—Zeitschrift für klinische Medizin. Julius Springer, Linkstrasse 23, Berlin

Ztschr. f. Kreislaufforsch.—Zeitschrift für Kreislaufforschung zugleich Fortsetzung von Zentralblatt für Herz- und Gefässkrankheiten. Beihefte: Archiv für Kreislaufforschung. Residenzstrasse 32, Dresden, Germany

Ztschr. f. Krüppelfürsorge.—Zeitschrift für Krüppelfürsorge. Leopold Voss, Salomonstrasse 18B, Leipzig, Germany

Ztschr. f. Kurortwiss.—Zeitschrift für Kurortwissenschaft

Ztschr. f. Laryng., Rhin.—Zeitschrift für Laryngologie, Rhinologie und ihre Grenzgebiete. Folia otolaryngologica. Salomonstrasse 18B, Leipzig, Germany

Ztschr. f. Med.-Beamte—Zeitschrift für Medicinalbeamte. Fischer's mediz. Buchhandlung H. Kornfield, Keithstrasse 5, Berlin

Ztschr. des Oester. Ing. Architek.—Zeitschrift des Oesterreichischen Ingenieur- und Architekten-Vereines. Eschenbachgasse 9, Vienna, I, Austria

Ztschr. f. Schulgesund. u. Soz. Hyg.—Zeitschrift für Schulgesundheitspflege und Sozialhygiene. Continued as Gesundheit und Erziehung

Ztschr. f. Sinnesphysiol.—Zeitschrift für Sinnesphysiologie. Johann Ambrosius Barth, Salomonstrasse 18B, Leipzig, Germany

Ztschr. f. Tuberk.—Zeitschrift für Tuberkulose. Salomonstrasse 18B, Leipzig, Germany

Ztschr. f. Untersuch. d. Lebensmitt.—Zeitschrift für Untersuchung der Lebensmittel. Julius Springer, Linkstrasse 23, Berlin

Ztschr. f. wissenschaft. Bäderk.—Zeitschrift für wissenschaftliche Bäderkunde. Bäderkund, Verkher's-Verlag G. M. B. H. Berlin, S.W. 11

II. PUBLISHERS

A.M.A. American Medical Association, 535 North Dearborn St., Chicago, Ill.

A.R.C. American Red Cross, National Headquarters, Washington, D.C.

A.S.A. Amateur Swimming Association of England, "Springhaven," Barnet, Herts, Eng.

Acland. F. A. Acland, Ottawa, Canada.

Aderholz. G. B. Aderholz, Breslau, Germany.

Akadem. Verlagsgesellschaft. Akademische Verlagsgesellschaft m. b. H., Sternwartenstrasse 8, Leipzig, C. 1, Germany.

Alabama State Board Health. Alabama State Board of Health, Montgomery, Ala.

Alban. Alban, Madrid, Spain.

All Sports Rec. Bk. All Sports Record Book, Inc., 235 East 45th St., New York City.

Allan. P. Allan, London.

Allen. W. H. Allen & Co., London.

Almqvist & Wiksells. Almqvist & Wiksells Boktryckeri-A.-B., Uppsala, Sweden.

Am. Camp. Assoc. American Camping Association, Lane Hall, Ann Arbor, Mich.

Am. Child Health Assoc. American Child Health Association, 50 West 50th St., New York City.

Am. Geog. Soc. American Geographical Society, New York City.

Am. Gym. Co. American Gymnasia Company, Boston, Mass.

Am. Olympic Comm. American Olympic Committee, 233 Broadway, New York City.

Am. Pub. American Publications, Inc., 527 West 7th St., Los Angeles, Calif.

Am. Pub. Health Assoc. American Public Health Association, 50 West 50th St., New York City.

Am. Rev. Serv. Press. American Review Service Press, Bloomington, Ill.

Am. School Corresp. American School of Correspondence, Chicago, Ill.

Am. Soc. Civil Engin. American Society of Civil Engineers, 29 West 39th St., New York City.

Am. Soc. Heat. & Ventil. Engin. American Society of Heating and Ventilating Engineers, 51 Madison Ave., New York City.

Am. Soc. Municipal Engin. American Society of Municipal Engineers, Milwaukee, Wis.

Am. Sports Pub. American Sports Publishing Company, 115 Fulton St., New York City.

Am. Steel & Wire Co. American Steel and Wire Company, 208 South La Salle St., Chicago, Ill.

Am. Tech. Soc. American Technical Society, Drexel Ave. and 58th St., Chicago, Ill.

Am. Water Works Assoc. American Water Works Association, New York City.

Appleton. D. Appleton & Co. Continued as Appleton-Century.

Appleton-Century. D. Appleton-Century Company, Inc., 35 West 32nd St., New York City; 34 Bedford St., Covent Garden, London, W.C. 2. Canadian Agent: Ryerson.

Appres. Marc' Antonio Olmo. Appresso Marc' Antonio Olmo, Padua, Italy.

Aquat. Saf. Co. Aquatic Safety Company, 3 The Promenade, Great Malvern, London.

Aquat. Sports Pub. Co. Aquatic Sports Publishing Company, P.O. Box No. 440, St. Louis, Mo.

Arbeit.-Turn-und Sport. Arbeiter-Turn-und Sportschule, Leipzig, Germany.

Arizona State Board Health. Arizona State Board of Health, Phoenix, Ariz.

Arkansas State Board Health. Arkansas State Board of Health, Little Rock, Ark.

Army & Navy Y.M.C.A. Army and Navy Y.M.C.A., Atlanta, Ga.

Assoc. Press. Association Press, National Council of the Y.M.C.A., 347 Madison Ave., New York City.

Ath. Fed. Col. Women Athletic Federation of College Women, University of Wisconsin, Madison, Wis.

Ath. Pub. Athletic Publications, Ltd., Link House, 4 Greville St., London, E.C. 1

Atl.-Verlag. Atlantis-Verlag, Berlin.

Atlas Portland Cement Co. Atlas Portland Cement Company, 25 Broadway, New York City.

B.V.D. B.V.D. Swim Club, Empire State Building, New York City.

Bailey. J. Bailey, London.

Balliere, Tindall & Cox. Baillière, Tindall & Cox, 7-8 Henrietta St., Covent Garden, London, W.C. 2. American Agent: William Wood & Co., Division of Williams & Wilkins.

Baldwin. A. K. Baldwin, London.

Bale & Curnow. John Bale, Sons & Curnow, Ltd., 83-91 Great Titchfield St., Oxford St., London, W. 1. American Agent: William Wood & Co., Division of Williams & Wilkins.

Bale & Danielsson. John Bale, Sons & Danielsson, Ltd. See Bale & Curnow.

Banta. George Banta Publishing Company, Menasha, Wis.

Barnes. A. S. Barnes and Company, 67 West 44th St., New York City. Canadian Agent: George M. Hendry Company, Ltd., 129 Adelaide St., West, Toronto. English Agent: Lib. Press.

Barrington & Haswell. Barrington and Haswell, Philadelphia, Pa.

Barron. Arthur Barron, Ltd., 24 Dean St., Fetter Lane, London, E.C. 4.

Barta. Barta Press, Boston, Mass.

Basse. G. Basse, Leipzig, Germany.

Batsford. B. T. Batsford, London.

Beadle. Erasmus F. Beadle & Co., New York City; London.

Beckley-Cardy. Beckley-Cardy Company, 1632 South Indiana Ave., Chicago, Ill.

Bell. George Bell & Sons, Ltd., York House, 6 Portugal St., Lincoln's Inn Fields, London, W.C. 2. Canadian Agent: Clarke, Irwin & Co., Ltd., 86 Richmond St., Toronto, Canada.

Benn. Ernest Benn, Ltd., Bouverie House, 154 Fleet St., London, E.C. 4.

Bergh & Ellefsen. Trykt hos Bergh & Ellefsen, Christiania, Norway.

Berkeley A.R.C. American Red Cross, Berkeley, Calif.

Bib. Ann. Économ. Bibliothèque des Annales Économiques, Paris.

Biggs. Biggs & Son, Parliament St., London.

Blackie. Blackie & Son, 17 Stanhope St., Glasgow, Scotland.

Blakiston. P. Blakiston's Son & Co., Inc., 1012 Walnut St., Philadelphia, Pa.

Blumenberg. Blumenberg Press, New York City.

Blunt. E. and G. W. Blunt, New York City.

Bogue. Bogue, London.

Boise Y.M.C.A. Y.M.C.A., Boise, Idaho.

Bornemann. S. Bornemann, Paris.

Boston Dept. Sanit. Engin. Boston Department of Sanitary Engineers, State House, Boston, Mass.

Boston Univ. Boston University, Boston, Mass.

Boucher. Boucher, Paris.

Bousor. J. Bousor, Salisbury Square, London.

Boy Scouts. Boy Scouts of America, 2 Park Ave., New York City.

Bradbury. Bradbury, Evans & Co., London.

Bradwell. J. B. Bradwell Publishing Company, Chicago, Ill.

Brandenburg. H. Brandenburg, Leiden, Holland.

Briggs. W. Briggs, Toronto, Canada.

Brit. Sports Pub. British Sports Publishing Company, Ltd., London.

Brown. A. Brown & Sons, Ltd., 5 Farringdon Ave., London, E.C. 4.

Bruce Swim. Method. Bruce Swimming Method, 3200 Broadway, New York City.

Brunswick. Brunswick Publishing Company, Brunswick, Me.

Buchvert. Olympiade. Buchvertrieb Olympiade 1936. Berlin.

Bur. Publications. Bureau of Publications, Teachers College, Columbia University, New York City.

Burgess. Burgess Publishing Company, Minneapolis, Minn.

Burnside. John Burnside, Edinburgh, Scotland.

Burt. A. L. Burt Company, Inc., 114-20 East 23rd St., New York City. Canadian Agent: McLeod.

Cailleau. Cailleau, Paris.

California Dept. Educ. California Department of Education, Division of Schoolhouse Planning, Sacramento, Calif.

California State Dept. Pub. Health. California State Department of Public Health, Sacramento, Calif.

Camp Dir. Assoc. Camp Directors Association. Continued as American Camping Association.

Camp Fire Girls. Camp Fire Girls, Inc., 31 East 17th St., New York City.

Camp Fire Outfit. Co. Camp Fire Outfitting Company, 197-199 Greene St., New York City.

Canad. Y.M.C.A. Nat. Council. Canadian Y.M.C.A. National Council, 40 College St., Toronto, Canada.

Cape. Jonathan Cape, Ltd., 30 Bedford St., London, W.C. 1.

Carnegie Found. Adv. Teach. Carnegie Foundation for the Advancement of Teaching, 522 Fifth Ave., New York City.

Carnegie Inst. Carnegie Institution of Washington, 16th & P Sts., N.W., Washington, D.C.

Carnegie United Kingdom Trust. Carnegie United Kingdom Trust, Edinburgh, Scotland.

Carpenter & Morehouse. Press of Carpenter & Morehouse, Amherst, Mass.

Cassell. Cassell & Co., Ltd., La Belle Sauvage, Ludgate Hill, London, E.C. 4.

Cassell, Petter & Galpin. Cassell, Petter and Galpin. Continued as Cassell & Co., Ltd.

Catal. Island. Press. Catalina Islander Press, Avalon, Calif.

Caxton. Caxton Printers, Caldwell, Idaho.

Celite Products Co. Celite Products Company, Chicago, Ill.; New York City.

Century Co. Century Company. See Appleton-Century.

Chalfont. George Chalfont, London.

Chamb. Commer. U.S. Chamber of Commerce of the United States, Washington, D.C.

Chapman & Hall. Chapman & Hall, Ltd., 11 Henrietta St., Covent Garden, London, W.C. 2.

Chatelain. Z. Chatelain, Amsterdam, Holland.

Chem. Pub. Co. Chemical Publishing Company, 300 North 3rd St., Easton, Pa.

Chem. Soc. Washington. Chemical Society of Washington, Washington, D.C.

Chicago City Council. Chicago City Council, Chicago, Ill.

Chicago Parks. Chicago Park District, Chicago, Ill.

Churchill. J. and A. Churchill, Ltd., 104 Gloucester Place, Portman Square, London, W. 1.

Churchill, John. John Churchill, London.

Churton. E. Churton, London.

Chwala's Druck. Chwala's Druck, Vienna, Austria.

Civil Service Pub. Co. Civil Service Printing and Publishing Company, London.

Clarendon. Clarendon Press, Oxford, Eng.

Clark. W. Clark & Son, London.

Clark, A. T. A. T. Clark, Williamstown, Eng.

Clark, W. M. W. M. Clark, 17 Warwick Lane, London.

Cleanliness Inst. Cleanliness Institute, 45 East 17th St., New York City.

Clegg. W. E. Clegg, Oldham, Eng.

Clode. Edward J. Clode, 156 Fifth Ave., New York City.

Cloister. Cloister Press, Hollywood, Calif.

Coatesville Y.M.C.A. Y.M.C.A., Coatesville, Pa.

Cogswell. A. Cogswell, New York City.

Colburn. H. Colburn, London.

Colin. Librairie Armand Colin, 103 Boulevard Saint Michel, Paris.

Collins. W. Collins Sons & Co., London.

Collins Bros. Collins Brothers & Co., New York City.

Colorado State Board Health. Colorado State Board of Health, Denver, Col.

Colorado State Col. Educ. Colorado State College of Education, Greeley, Col.

Columbia Univ. Columbia University, New York City.

Commun. Drama Serv. Community Drama Service, 315 Fourth Ave., New York City.

Comstock. William T. Comstock Company, 23 Warren St., New York City.

Connecticut State Board Health. Connecticut State Board of Health, Hartford, Conn.

Const. Mat. Research Co. Construction Materials Research Company, San Francisco, Calif.

Constable. A. Constable & Co., Ltd., 10-12 Orange St., Leicester Square, London, W.C. 2.

Contractors' Rec. Contractors' Record, Ltd., 329 High Holborn, London.

Copenhaver. W. A. Copenhaver, Washington, D.C.

Cornell Univ. Cornell University, Ithaca, N.Y.

Covici. Covici, Friede, Inc., 425 East 24th St., New York City.

Coward-McCann. Coward-McCann, Inc., 2 West 45th St., New York City.

Cox. Horace Cox, London.

Cranton. H. Cranton, Ltd., London.

Cricket Press. Cricket Press, London.

Crosby Lockwood. Crosby Lockwood & Co., London.

Crown Pub. Co. Crown Publishing Company, London.

Dagbladet. Svenska Dagbladet, Stockholm, Sweden.

Daniel. C. W. Daniel Company, Ltd., 46 Bernard St., Russell Square, London, W.C. 1.

Darton. Darton, Harvey and Darton, Gracechurch St., London.

Darton & Clark. Darton and Clark, London.

Darton & Hodge. Darton and Hodge. Continued as Darton, Harvey and Darton.

Davidson. G. H. Davidson, London.

Davis. F. A. Davis Company, 1914-1916 Cherry St., Philadelphia, Pa.

Davis-Olivier. Davis-Olivier, New York City.

Dawson. Thomas Dawson, London.

Day. W. U. Day Printing Company, Baltimore, Md.

Dean. Dean & Co., London.

Dean & Son. Dean & Son, 160 A Fleet St., London.

Delacour. Delacour, Paris.

Delagrange. Delagrange, Paris.

Delarue. Delarue, Paris.

Delaware State Board Health. Delaware State Board of Health, Dover, Del.

Delittle. F. R. Delittle, York, Eng.

Denmark, Marinemin. Denmark Marineministeriet, Copenhagen, Denmark.

Derrydale. Derrydale Press, Inc., 127 East 34th St., New York City.

Desloges. Desloges, Paris.

Desvente. de la Doue. Chez Desventes de la Doue, Paris.

Detroit Board Educ. Detroit Board of Education, Detroit, Mich.

Dick & Fitzgerald. Dick and Fitzgerald, New York City.

Dieck. Dieck & Co., Franck's Sport-Verlag, Stuttgart, Germany.

Dilly. C. Dilly, London.

Dipple. Edwin Dipple, London.

Dodd, Mead. Dodd, Mead & Co., Inc., 449 Fourth Ave., New York City. Canadian Agent: McClelland.

Domest. Engin. Co. Domestic Engineering Company, 1900 Prairie Ave., Chicago, Ill.

Donovan. C. Donovan, London.

Doran. George H. Doran & Co. Continued as Doubleday, Doran & Co.

Doubleday, Doran. Doubleday, Doran & Co., Inc., 14 West 49th St., Rockefeller Center, New York City.

Dover Express. "Dover Express" Office, London.

Drake. Frederick J. Drake & Co., Inc., 179 North Michigan Ave., Chicago, Ill.

Drama League. Drama League of America, 59 East Van Buren St., Chicago, Ill.

Drane. Henry J. Drane, Ye Olde Saint Bride's Presse, Salisbury House, Salisbury Square, Fleet St., London.

Drell. Drell, Zurich, Switzerland.

Duemmler. Ferdinand Duemmler, Berlin.

Dunod. Dunod, Paris.

Dutton. E. P. Dutton & Co., Inc., 286-302 Fourth Ave., New York City. Canadian Agent: McLean and Smithers, 170 Bay St., Toronto, 2, Canada.

Dwight. Henry T. Dwight, Melbourne, Australia.

Éd. Nilsson. Éditions Nilsson, Paris.

Éd. Vivre. Éditions de Vivre, Paris.

Edinburgh Ath. Times. Edinburgh Athletic Times, Edinburgh, Scotland.

Elliot. H. Elliot, London.

Elm Tree Press. Elm Tree Press, Woodstock, Vt.

Encyclop. L'Encyclopédie, Paris; London.

Engin. News Bk. Dept. Engineering News Book Department. Combined with McGraw-Hill Book Company.

Evans. Evans Brothers, Ltd., Montague House, Russell Square, London, W.C. 1.

Excelsior. Excelsior Publishing House, New York City.

F.I.N.A. Fédération Internationale de Natation Amateur, Dr. Leo Donath (Hungary), Secretary and Treasurer, Budapest XI, Bertalan utca 22, Hungary.

Farrah & Co. F. Farrah & Co., London.

Fayet. Fayet, Paris.

Flammarion. E. Flammarion, Paris.

Fleischer. F. Fleischer, Leipzig, Germany.

Florida State Board Health. Florida State Board of Health, Jacksonville, Fla.

Foulsham. William Foulsham & Co., Ltd., 10-11 Red Lion Court, Fleet St., London, E.C. 4.

Fowler & Wells. Fowler & Wells, 36 Gould St., Verona, N.J.

Fracasso. Fracasso, Venice, Italy.

François. Le François, Paris.

Freeman's J. Co. Freeman's Journal Company, Cooperstown, N.Y.

Freeport. Freeport Printing Company, Freeport, Ill.

Freytag. G. Freytag, Leipzig, Germany; Vienna, Austria.

Fuerst. Fuerst, Nordhausen, Germany.

Funk & Wagnalls. Funk & Wagnalls Company, 354-360 Fourth Ave., New York City; 14 Salisbury Square, London, E.C. 4.

Gage & Hunter. Gage and Hunter, Glasgow, Scotland.

Gallaudet. P. W. Gallaudet, 49 Fulton St., New York City.

Gantner & Mattern. Gantner and Mattern Company, Mission and First Sts., San Francisco, Calif.; 1410 Broadway, New York City.

Garnier. Garnier, Paris.

Gas Power Printing W. Gas Power Printing Works, London.

Gen. Filtrat. Co. General Filtration Company, Cutler Building, Rochester, N.Y.

Gen. Sportcraft Co. General Sportcraft Company, New York City.

Georg. Librairie H. Georg, Lyon, France.

Georgia State Board Health. Georgia State Board of Health, Atlanta, Ga.

Gerhard. W. P. Gerhard, 30 East 42nd St., New York City.

Ginn. Ginn & Co., 15 Ashburton Place, Boston, Mass.; 7 Queen Square, Southampton Row, London, W.C. 1.

Girl Scouts. Girl Scouts, Inc., 14 West 49th St., New York City.

Goode. Goode Brothers, London.

Gov. Printing Off. Government Printing Office, Washington, D.C.

Gowland. J. S. Gowland, London.

Grapho. Co. Graphotyping Company, Ltd., 7 Garrick St., London.

Grasset. B. Grasset, Paris.

Greer Filter Co. Greer Filter Company, Philadelphia, Pa.

Grethlein. Grethlein & Co., Salomonstrasse 20, Leipzig, C. 1, Germany.

Gyldend. Boghand. Nord. Forlag. Gyldendalske Boghandel Nordisk Forlag, Copenhagen, Denmark.

Hachette. Librairie Hachette, 111 rue Réaumur, Paris; 18 King William St., Charing Cross, London, W.C. 2.

Hamilton. James Hamilton, Glasgow, Scotland.

Hamilton, Adams. Hamilton, Adams & Co., London.

Hannan. Hannan, Gainsborough, Eng.

Harper. Harper & Brothers, 49 East 33rd St., New York City; 90 Great Russell St., London, W.C. 1. Medical Book Department: Paul B. Hoeber, Inc.

Hartleben. A. Hartleben, Leipzig, Germany.

Harvard Univ. Harvard University, Cambridge, Mass.

Haskin. Haskin Information Service, Washington, D.C.

Hay, Nisbet. Hay, Nisbet & Co., 169 Fleet St., London; 25 Jamaica St., Glasgow, Scotland.

Heffer. W. Heffer & Sons, Ltd., 3-4 Petty Cury, Cambridge, Eng.

Heimerau. Bei Ernst Heimerau, Munich, Germany.

Heinemann. William Heinemann, Ltd., 99 Great Russell St., London, W.C. 1. Canadian Agent: Ryerson.

Hellige-Klett. Hellige-Klett Company, Inc., New York City.

Hesse. Max Hesse, Leipzig, Germany.

Hetzet. J. Hetzet, Paris.

Highley. S. Highley, London.

His Majesty's Stat. Off. His Majesty's Stationery Office, Adastral House, Kingsway, London, W.C. 2.

Many publications may be secured in the United States by applying to the British Library of Information, 270 Madison Ave., New York City.

Hodder & Stoughton. Hodder & Stoughton, Ltd., St. Paul's House, 20 Warwick Square, London, E.C. 4.

Hodgson. Hodgson & Co., London.

Hof. Grau & Cie. Hof. Grau & Cie., Berlin.

Hoffman, Harris. Hoffman, Harris, Inc., 425 Fourth Ave., New York City.

Holyoake & Co. Holyoake & Co., London.

Horne. John Horne, 19 Leicester Square, London.

Houghton Mifflin. Houghton Mifflin Company, 2 Park St., Boston, Mass. Canadian Agent: T. Allen, 266 King St., West Toronto, Canada. English Agent: Constable.

Hudson. Hudson Printing Company, 146 Summer St., Boston, Mass.

Humane Soc., Philadelphia. Humane Society, Philadelphia, Pa.

Humphreys. James Humphreys, Philadelphia, Pa.

Hurren. R. P. Hurren, Melbourne, Australia.

Hurst. Hurst, London.

Hutchinson. Hutchinson & Co., Ltd., Paternoster House, 34-36 Paternoster Row, London, E.C. 4. Canadian Agent: Ryerson.

I. Selbstverlag d. Hilfsfonds f. d. Deuts. Sport. Im Selbstverlag des Hilfsfonds für den Deutschen Sport, Hamburg, Germany.

Idaho State Dept. Pub. Welfare. Idaho State Department of Public Welfare, Boise, Idaho.

Illinois State Dept. Pub. Health. Illinois State Department of Public Health, Springfield, Ill.

Illinois State Lib. Illinois State Library, Springfield, Ill.

Illinois, State of. State of Illinois, Division of the State Water Survey, Urbana, Ill.

Imprim. Nat. Imprimerie Nationale, Paris.

Indera. Indera Mills Company, Winston-Salem, N.C.

Indiana State Board Health. Indiana State Board of Health, Indianapolis, Ind.

Indus.-Comp. Verlage des Industrie-Comptoirs, Weimar, Germany.

Indust. Book Co. Industrial Book Company, Inc., 280 Broadway, New York City.

Inertol. Inertol Company, Inc., 401 Broadway, New York City.

Insp. Gen. Customs. Inspectorate General of Customs, Statistical Department, Shanghai, China.

BIBLIOGRAPHY OF SWIMMING

Inst. Pacif. Relat. Institute of Pacific Relations, The Japanese Council, Tokyo, Japan.

Internat. Y.M.C.A. Col. International Y.M.C.A. College. See Springfield Col.

Intersch. Sports Pub. Co. Interscholastic Sports Publishing Company, P.O. Box 421, Fullerton, Calif.

Iowa State Col. Iowa State College of Agriculture and Mechanical Arts, Ames, Iowa.

Iowa State Dept. Health. Iowa State Department of Health, Des Moines, Iowa.

Isbister. Wm. Isbister, 56 Ludgate Hill, London.

Jacques. Jacques, Manchester, Eng.

Jantzen. Jantzen Swimming Association, Portland, Ore.

Jantzen (Australia). Jantzen (Australia), Ltd., Sydney, Australia.

Jollie, printer. F. and J. Jollie, printers, London.

Josam Mfg. Co. Josam Manufacturing Company, Empire Building, Room 300, 1783 East 11th St., Cleveland, O.

Jr. Lit. Guild. Junior Literary Guild, New York City.

Judd. Orange Judd Publishing Company, 15 East 26th St., New York City.

Judd & Detweiler. Judd and Detweiler, 420 Eleventh St., N.W., Washington, D.C.

Kansas State Board Health. Kansas State Board of Health, Lawrence, Kan.

Kansas State Col. Kansas State College of Agriculture and Applied Science, Manhattan, Kan.

Kellogg Co. Kellogg Company, Battle Creek, Mich.

Kent. W. Kent & Co., London.

Kentucky State Board Health. Kentucky State Board of Health, Louisville, Ky.

Kerr & Richardson. Kerr and Richardson, Glasgow, Scotland.

Kerton. W. G. Kerton, London.

Kinder. R. Kinder, London.

Kite. Benjamin and Thomas Kite, Philadelphia, Pa.

Knight. C. Knight, London.

Koebke. Buchdruckerei W. Koebke, Berlin.

Koehler & Volckmar. Verlag von Koehler & Volckmar A.-G. & Co., Leipzig, Germany.

Kreisel & Gröger. Kreisel & Gröger, Vienna, Austria.

Lad. Nat. Assoc. Diffus. Sanit. Knowledge. Ladies' National Association for the Diffusion of Sanitary Knowledge, London.

Lafitte. P. Lafitte & Cie, Paris.

La Motte Chem. Prod. Co. La Motte Chemical Products Company, McCormick Building, Baltimore, Md.

Lamy. Chez Lamy, Paris.

Larby. E. J. Larby, Ltd., 30 Paternoster Row, London.

Larousse. Larousse, Paris.

Lawrence & Bullen. Lawrence and Bullen, Ltd., London.

Lea. Henry Lea, London.

Lea & Febiger. Lea and Febiger, 600 South Washington Square, Philadelphia, Pa.

Legras. Legras, Paris.

Lemoine. Lemoine, London.

Lever. John Lever, London.

Levy. L. Levy, Paris.

Lewis. H. K. Lewis & Co., Ltd., 136 Gower St., London, W.C. 1.

Lib. Press. Library Press, Ltd., 36 Russell Square, London, W.C. 1.

Lightner. Lightner Publishing Corp., 2810 South Michigan Ave., Chicago, Ill.

Limpert. W. Limpert, Berlin.

Link House. Link House Publications, Ltd., 300-304, Gray's Inn Road, London, W.C. 1.

Lippincott. J. B. Lippincott Company, East Washington Square, Philadelphia, Pa.; Durham House, 16 John St., Adelphi, London, W.C. 2. Canadian Agent: Copp, 201 Unity Building, Montreal, Canada.

Llandudno Club. Llandudno Club, Llandudno, Eng.

Locard August. Locard, Quai des Augustins, Paris.

Lockhead. William A. Lockhead, Paisley, Scotland.

Lockwood. C. Lockwood & Sons, London.

Lockwood & Co. Lockwood & Co. Continued as Lockwood & Sons.

London Life Saving Club. London Life Saving Club, London.

Longman, Green. Longman, Roberts & Green. Continued as Longmans, Green & Co.

Longman, Hurst and others. Longman, Hurst, Rees, Orme, and Brown. Continued as Longmans, Green & Co.

Longmans. Longmans, Green & Co., 114 Fifth Ave., New York City; 39 Paternoster Row, London, E.C. 4.

Lothrop. Lothrop, Lee and Shepard Company, in care of Thomas Nelson & Sons, 381-385 Fourth Ave., New York City.

Lothrop Pub. Co. Lothrop Publishing Company. Continued as Lothrop, Lee and Shepard Company.

Louisiana State Board Health. Louisiana State Board of Health, Baton Rouge, La.

Lovell. Lovell Printing and Publishing Company, Montreal, Canada.

Loyola Univ. Loyola University, Chicago, Ill.

Lunt. W. P. Lunt, Boston, Mass.

McClelland. McClelland and Stewart, Ltd., 215-219 Victoria St., Toronto, Canada.

McClurg. A. C. McClurg & Co., 333 East Ontario St., Chicago, Ill.

McGraw-Hill. McGraw-Hill Book Company, 330 West 42nd St., New York City. English Agent: Aldwych House, Aldwych, London, W.C. 2. Canadian Agent: McLeod.

McLeod. George J. McLeod, Ltd., 266-288 King St., W., Toronto, Canada.

Macmillan. Macmillan Company, 60 Fifth Ave., New York City; 10 St. Martin's St., Leicester Square, London, W.C. 2. Canadian Agent: St. Martin's House, 70 Bond St., Toronto, Canada.

Macmillan & Co. Macmillan & Co. Continued as Macmillan Company.

Macrae Smith. Macrae Smith Company, 1712 Ludlow St., Philadelphia, Pa.

Maine State Board Health. Maine State Board of Health, Augusta, Maine.

March. R. March & Co., London.

Martel. Jean Martel, Montpellier, France.

Maruzen. Maruzen Company, Ltd., Tori-Nichome, Nihonbashi, Tokyo, Japan.

Maryland State Board Health. Maryland State Board of Health, Baltimore, Md. Mason. W. Mason, London.

Massachusetts State Board Health. Massachusetts State Board of Health, Boston, Mass.

Massachusetts State Col. Massachusetts State College, Amherst, Mass.

Mathieson Alkali Wks. Mathieson Alkali Works, Inc., 250 Park Ave., New York City.

Med. Press. Medical Press and Circular, 7-8, Henrietta St., Covent Garden, London.

Melville & Haas. Melville and Haas, Chester, Pa.

Menzies. J. Menzies, Edinburgh, Scotland.

Méra. Charles Méra, Lyon, France.

Methuen. Methuen & Co., Ltd., 36 Essex St., Strand, London, W.C. 2.

Metropolitan Life. Metropolitan Life Insurance Company, 1 Madison Ave., New York City.

Metropolitan Pub. Metropolitan Publishing Company, New York City.

Meyer & Noll. Press of Meyer and Noll, Hartford, Conn.

Michigan State Dept. Educ. Michigan State Department of Education, Lansing, Mich.

Michigan State Dept. Pub. Health. Michigan State Department of Public Health, Lansing, Mich.

Mij. y Hermano. Mijares y Hermano, Tokyo, Japan.

Mill. M. S. Mill Company, 286 Fifth Ave., New York City.

Miller. H. C. Miller Company, Milwaukee, Wis.

Mills & Boon. Mills and Boon, Ltd., 49 Rupert St., London, W. 1.

Mills Col. Mills College, Mills College, Calif.

Mine Saf. Appli. Co. Mine Safety Appliances Company, Pittsburgh, Pa.

Minnesota State Board Health. Minnesota State Board of Health, Minneapolis, Minn.

Mississippi State Board Health. Mississippi State Board of Health, Jackson, Miss.

Missouri State Board Health. Missouri State Board of Health, Jefferson City, Mo.

Mitchell. Mitchell & Son, London.

Mitchell, W. W. Mitchell, London.

Mitler. Mitler & Sohn, Berlin.

Moette. Chez Thomas Moette, Paris.

Montana State Board Health. Montana State Board of Health, Helena, Mont.

Moore. A. Moore, Boston, Mass.

Morrow. William Morrow and Company, Inc., 386 Fourth Ave., New York City. Canadian Agent: McClelland.

Murray. J. Murray, London.

Mutual Life. Mutual Life Insurance Company of New York, New York City.

N. England School Furnish. Co. North of England School Furnishing Company, Ltd., London.

N.R.A. National Recreation Association, 315 Fourth Ave., New York City.

Nat. Assoc. Schoolmasters. National Association of Schoolmasters, 59 Gordon Square, London.

Nat. Bur. Cas. & Surety Underw. National Bureau of Casualty and Surety Underwriters, 1 Park Ave., New York City.

Nat. Lime Assoc. National Lime Association, 927 Fifteenth St., N.W., Washington, D.C.

Nat. Saf. Council. National Safety Council, Inc., 20 North Wacker Drive, Chicago, Ill.

Nebraska State Board Health. Nebraska State Board of Health, Lincoln, Neb.

Neuner. Neuner Company, Los Angeles, Calif.

Nevada State Board Health. Nevada State Board of Health, Reno, Nev.

New Brompton Croneem. New Brompton Croneem & Co., London.

New England Water Works Assoc. New England Water Works Association, 82 Tremont St., Boston, Mass.

New Hampshire State Board Health. New Hampshire State Board of Health, Concord, N.H.

New Jersey State Dept. Health. New Jersey State Department of Health, Trenton, N.J.

New Mexico State Bur. Health. New Mexico State Bureau of Health, Santa Fe, N. Mex.

New South Wales Sports Club. New South Wales Sports Club, Ltd., Sydney, Australia.

New York Outing. New York Outing Company. Combined with Macmillan Company.

New York Pop. Pub. Co. New York Popular Publishing Company, New York City.

New York State Dept. Health. New York State Department of Health, Albany, N.Y.

New York Univ. New York University, New York City.

New Zealand A.S.A. New Zealand Amateur Swimming Association, Auckland, New Zealand.

Newman. W. Newman, London.

News Chron. News Chronicle, Chronicle House, Fleet St., London, E.C. 4.

Nieman. H. Nieman & Co., 939 Central Ave., Cincinnati, O.

North Carolina State Board Health. North Carolina State Board of Health, Raleigh, N.C.

North Dakota State Board Health. North Dakota State Board of Health, Bismarck, N.D.

Northwestern Univ. Northwestern University, Evanston, Ill.

Norwood Engin. Co. Norwood Engineering Company, Florence, Mass.

Nouv. Soc. La Nouvelle Société d'Édition, Paris.

Ocean. Ocean Bathing Suit Company, 110 West 23rd St., New York City.

Österreich. Bundesv. f. Unterric., Wissensch. u. Kunst. Österreichischer Bundesverlag für Unterricht, Wissenschaft und Kunst, Vienna, Austria; Leipzig, Germany.

Ogilvie. J. S. Ogilvie Publishing Company, 57 Rose St., New York City.

Ohio State Dept. Health. Ohio State Department of Health, Columbus, O.

Ohio State Med. Assoc. Ohio State Medical Association, Columbus, O.

Ohio State Univ. Ohio State University, Columbus, O.

Oklahoma State Board Health. Oklahoma State Board of Health, Oklahoma City, Okla.

Ollivier. J. Ollivier, London.

Onox Antisept. Co. Onox Antiseptic Company, San Francisco, Calif.

Oregon State Board Health. Oregon State Board of Health, Salem, Ore.

Oregon State Printing Dept. Oregon State Printing Department, Salem, Ore.

Orr. J. W. and N. Orr. London.

Orr & Sons. Orr & Sons, Glasgow, Scotland.

Oxford Univ. Press. Oxford University Press, Amen House, Warwick Square, London, E.C. 4; 114 Fifth Ave., New York City; 128 University Ave., Toronto, Canada.

Page. L. C. Page & Co., Boston, Mass.

Panck. Panckoucke, Paris.

Paradise of the Pacific. Paradise of the Pacific Press, Honolulu, Hawaii.

Pastime. Pastime Offices, London.

Patton. G. S. Patton, Brooklyn, N.Y.

Peabody Col. George Peabody College, Nashville, Tenn.

Pearson. C. Arthur Pearson, Ltd., 16-18 Henrietta St., Covent Garden, London, W.C. 2.

Pennsylvania State Col. Pennsylvania State College, State College, Pa.

Pennsylvania State Dept. Health. Pennsylvania State Department of Health, Harrisburg, Pa.

Pfister Knit. Co. J. J. Pfister Knitting Company, San Francisco, Calif.

Phi Delta Pi. Phi Delta Pi, Dorothy L. Zirbes, Editor, 155 Prospect Ave., Staten Island, N.Y.

Philadelphia Board Trade. Philadelphia Board of Trade, Philadelphia, Pa.

Philip. George Philip & Son, London.

Phillips. Phillips Printing Company, Los Angeles, Calif.

Picard & Kaan. Aliche Picard & Kaan, Paris.

Pictorial Press. Pictorial Press, Ltd., London.

Piliau de la Forest. Piliau de la Forest, Paris.

Pitman. Sir Isaac Pitman & Sons, Ltd., Pitman House, 381-383 Church St., Toronto, Canada; Pitman House, Kingsway, London, W.C. 2; Pitman Publishing Corp., 2-6 West 45th St., New York City.

Pitts & Kitts. Pitts and Kitts Manufacturing and Supply Company, 50 Park Place, New York City.

Pittsburgh Mfg. Co. Pittsburgh Manufacturing Company, Pittsburgh, Pa.

Pohl. Pohl Printing Company, Detroit, Mich.

Portland Cement Assoc. Portland Cement Association, 33 West Grand St., Chicago, Ill.

Portland City Club. Portland City Club, 607 Oregon Building, Portland, Ore.

Portsmouth Swim. Club. Portsmouth Swimming Club, Portsmouth, Eng.

Prentice-Hall. Prentice-Hall, Inc., 70 Fifth Ave., New York City.

Providence Boys' Club. Providence Boys' Club, Providence, R.I.

Psych. Rev. Co. Psychological Review Company, Princeton, N.J.

Purdue Univ. Purdue University, Lafayette, Ind.

Putnam. Putnam & Co., Ltd., 24 Bedford St., Strand, London, W.C. 2; G. P. Putnam's Sons, 2-6 West 45th St., New York City.

Quartermaster Assoc. Quartermaster Association, Washington, D.C.

Quelle & Meyer. Verlag Quelle & Meyer, Leipzig, Germany.

Race. Joseph Race, in care of Toronto Filtration Plant, Toronto, Canada.

Ramsden. W. W. Ramsden, London.

Rand McNally. Rand McNally & Co., 536 South Clark St., Chicago, Ill.

Raschke. F. A. Raschke, Zschopau, Germany.

Recrea. Equip. Co. Recreation Equipment Company, 724 West Eighth St., Anderson, Ind.

Regan. Regan Publishing Corp., Continued as Charles T. Powner Company, 621 Plymouth Court, Chicago, Ill.

Reichel. C. Reichel, Augsburg, Germany.

Religious Tract Soc. Religious Tract Society, London.

Renshaw. H. Renshaw, London.

Rhode Island State Board Health. Rhode Island State Board of Health, Providence, R.I.

Richardson. J. M. J. M. Richardson, London.

Richardson, Thomas. Thomas Richardson, London.

Ridgway. James Ridgway, London.

Riverdale. Riverdale Press, Brookline, Mass.

Roberts. Roberts, London.

Roberts & Leete. Roberts and Leete, London.

Rockefeller Found. Rockefeller Foundation, Copenhagen, Denmark.

Rogers. H. J. Rogers & Co., Baltimore, Md.

Routledge. George Routledge & Sons, Ltd., Broadway House, 68-74 Carter Lane, London, E.C. 4.

Routledge & Co. Continued as George Routledge & Sons.

Routledge, Warne. Routledge, Warne and Routledge. Continued as George Routledge and Sons.

Roy. Humane Soc. Royal Humane Society of England, London.

Roy. Life Saving Soc. Royal Life Saving Society of England, 8 Bayley St., Bedford Square, London, W.C. 1.

Russell. E. Russell, Boston, Mass.

Ryerson. Ryerson Press, Queen St., Toronto, 2, Canada.

Sampson Low, Marston. Sampson Low, Marston & Co., London. American Agent: Caspar, Krueger, Dory Company, 772 North Water St., Milwaukee, Wis.

Sanders. E. L. Sanders, Los Angeles, Calif.

Saunders. W. B. Saunders Company, West Washington Square, Philadelphia, Pa.; 7 Grape St., London, W.C. 2.

Scheltema & Holkema. Scheltema & Holkema, Amsterdam, Holland.

Schickhardt & Ebner. Schickhardt & Ebner, Stuttgart, Germany.

Scholastic C. Bk. Shop. Scholastic Coach Book Shop, 250 East 43rd St., New York City.

Schultz. Trykt hos J. H. Schultz, Copenhagen, Denmark.

Scribner Walford. Scribner Walford & Co., New York City.

Scribner's. Charles Scribner's Sons, 597 Fifth Ave., New York City; Charles Scribner's Sons, Ltd., 23 Bedford Square, London, W.C. 1. Canadian Agent: E. S. Fowkes, Box 95, Terminal A, Toronto, Canada.

Seale. E. Seale, London.

Seeley. Seeley, Service & Co., Ltd., London.

Seeman. Seeman Press, Durham, N.C.

Seidel. L. W. Seidel & Sohn, Vienna, Austria. Service Press, Springfield College, Springfield, Mo.

Service Press (Ill.) Service Press, Champaign, Ill.

Shaw. A. W. Shaw Company. Continued as McGraw-Hill Book Company.

Sherwood. Sherwood & Co., London.

Sherwood, Gilbert & Piper. Sherwood, Gilbert and Piper. Continued as Sherwood & Co.

Shoreditch. J. Roberts Shoreditch, London.

Shuman. George L. Shuman & Co., Chicago, Ill.; Boston, Mass.

Sidgwick & Jackson. Sidgwick and Jackson, Ltd., 44 Museum St., London, W.C. 1.

Simpkin, Marshall. Simpkin, Marshall, Ltd., Stationers' Hall Court, London, E.C. 4.

Slater. E. D. Slater, New York City.

Small, Maynard. Small, Maynard & Co. Combined with Dodd, Mead & Co.

Smith. E. Smith, Kirby St., London.

Smith, Elder. Smith, Elder & Co., London.

Smith, John R. John Russell Smith, London.

Smith, L. P. L. P. Smith, Philadelphia, Pa.

Smith, W. W. Smith, London.

Smithsonian. Smithsonian Institution, Washington, D.C.

Solomon. H. Solomon, Sydney, Australia.

Somers. John Somers, Glasgow, Scotland.

South Carolina State Board Health. South Carolina State Board of Health, Columbia, S.C.

South Dakota State Board Health. South Dakota State Board of Health, Pierre, S.D.

South Park Comm. South Park Commissioners. Continued as Chicago Park District.

Southern Counties A.S.A. Southern Counties Amateur Swimming Association, in care of Swimming Times, 4, Waddon Park Ave., Croydon, London.

Spon. Spon and Chamberlain. Combined with Engineers Book Shop, 168 East 46th St., New York City.

Spon, E. & F. N. E. and F. N. Spon. Continued as Spon and Chamberlain; later as Engineers Book Shop.

Sports Res. Bur. Sports Research Bureau, Los Angeles, Calif.

Spottiswoode. Spottiswoode & Co., London.

Springfield Col. Springfield College, Springfield, Mass.

Stamperia. Stamperia Reale, Naples, Italy.

Stanford Univ. Stanford University, Stanford University, Calif.

State Col. Washington. State College of Washington, Pullman, Wash.

Stearns & Beale. Stearns and Beale, New York City.

Stokes. Frederick A. Stokes Company, 443-449 Fourth Ave., New York City. Canadian Agent: McClelland.

Stone. Stone Printing and Manufacturing Company, Roanoke, Va.

Stratford. Stratford Company, 289 Congress St., Boston, Mass.

Strauss. Anton Strauss, Vienna, Austria.

Street & Smith. Street and Smith, New York City.

Stubenrauch. Adolph Stubenrauch, Berlin. Sunday School Union. Sunday School Union, 57-59 Ludgate Hill, London.

Swim. Assoc. Great Britain & Otter Swim. Club. Swimming Association of Great Britain and the Otter Swimming Club, London.

Swim. Times. The Swimming Times, 4, Waddon Park Ave., Croydon, London.

Swords. Thomas and James Swords, 27 William St., New York City.

Taride. Librairie de Jules Taride, Paris.

Taylor. J. F. Taylor & Co., New York City.

Taylor & Co. W. A. Taylor & Co., Inc., 872 Linden Ave., Baltimore, Md.

Teachers Col. Teachers College. See Bur. Publications.

Tegg. William Tegg, London.

Teubner. B. G. Teubner, Leipzig; Berlin.

Texas State Board Health. Texas State Board of Health, Austin, Tex.

Thomas. C. C. Thomas, Springfield, Ill.; Baltimore, Md.

Thomas & Andrews. Isaiah Thomas and Ebenezer T. Andrews, Faust's Statue, No. 45, Newberry St., Boston, Mass.

Tile Mfrs. Assoc. Tile Manufacturers' Association, Office of the Architectural Representative, Investment Building, Washington, D.C.; 19 West 44th St., New York City.

Tilt. Charles Tilt, London.

Times-Mirror. Times-Mirror Printing and Binding House, 118 South Broadway, Los Angeles, Calif.

Treat. E. B. Treat & Co., New York City.

Turner. Turner Company, 811 Wholesale Merchants Building, Dallas, Tex.

Tyas. Robert Tyas, London.

Ullstein. Ullstein, Berlin.

United Fruit Co. United Fruit Company, Educational Department, Boston, Mass.

U. S. Board on Life-Saving Appli. United States Board on Life-Saving Appliances, Treasury Department, Washington, D.C.

U. S. Coast Guard. United States Coast Guard, Washington, D.C.

U. S. Dept. Interior. United States Department of the Interior, Office of Education, Washington, D.C.

U. S. Maritime Commission. United States Maritime Commission, Washington, D.C.

U. S. Naval Acad. United States Naval Academy, Annapolis, Md.

U. S. Pub. Health Service. United States Public Health Service, Office of the Surgeon General, Washington, D.C.

BIBLIOGRAPHY OF SWIMMING

U. S. Quartermaster Assoc. United States Quartermaster Association, Washington, D.C.

U. S. Volunteer Life Saving Corps. United States Volunteer Life Saving Corps, Albany, N.Y.

Univ. Akron. University of Akron, Akron, Ohio.

Univ. California, Berkeley. University of California, Berkeley, Calif.

Univ. California, Los Angeles. University of California at Los Angeles, Los Angeles, Calif.

Univ. California Press. University of California Press, California Hall, Berkeley, Calif.

Univ. Georgia. University of Georgia, Athens, Ga.

Univ. Illinois. University of Illinois, Urbana, Ill.

Univ. Iowa. University of Iowa, Iowa City, Iowa.

Univ. Michigan. University of Michigan, Ann Arbor, Mich.

Univ. Minnesota. University of Minnesota, Minneapolis, Minn.

Univ. Missouri. University of Missouri, Columbia, Mo.

Univ. Nebraska. University of Nebraska, Lincoln, Neb.

Univ. Nevada. University of Nevada, Reno, Nev.

Univ. New Mexico. University of New Mexico, Albuquerque, N. Mex.

Univ. Oregon. University of Oregon, Eugene, Ore.

Univ. Pennsylvania. University of Pennsylvania, Philadelphia, Pa.

Univ. Pittsburgh. University of Pittsburgh, Pittsburgh, Pa.

Univ. Southern California. University of Southern California, Los Angeles, Calif.

Univ. Texas. University of Texas, Austin, Tex.

Univ. Toronto. University of Toronto, Toronto, Canada.

Univ. Washington. University of Washington, Seattle, Wash.

Univ. Wisconsin. University of Wisconsin, Madison, Wis.

Utah State Board Health. Utah State Board of Health, Salt Lake City, Utah.

Van Arsdale-Harris. Van Arsdale-Harris Lumber Company, 5th and Brannon Sts., San Francisco, Calif.

Van Nostrand. D. Van Nostrand Company, Inc., 250 Fourth Ave., New York City.

Vermont State Board Health. Vermont State Board of Health, Burlington, Vt.

Virginia State Board Health. Virginia State Board of Health, Richmond, Va.

Vizetelly. Vizetelly, Branston and Company, Fleet St., London.

Volksv. der Bücherf., Wegweiser-Verl. Volksverband der Bücherfreunde, Wegweiser-Verlag, Berlin.

Vuibert. Librairie Vuibert, Paris.

WEAF. WEAF Broadcasting Station, New York City.

W.S.A. Women's Swimming Association, 470 West 24th St., New York City.

Wade. James Wade, London.

Wallace & Tiernan. Wallace & Tiernan Company, Inc., Newark, N.J.

Walwyn. R. Walwyn & Co., London.

Ward, Lock. Ward, Lock & Co., London.

Ward, Lock & Tyler. Ward, Lock and Tyler. Continued as Ward, Lock & Co.

Warne. Frederick Warne & Co., Ltd., 381 Fourth Aye, New York City; 1 Bedford St., Strand, London.

Washington State Board Health. Washington State Board of Health, Seattle, Wash.

Wayne Univ. Wayne University, Detroit, Mich.

Weber. J. J. Weber, Leipzig, Germany.

Wellesley Col. Wellesley College, Wellesley, Mass.

Wellington Y.M.C.A. Y.M.C.A., Wellington, Del.

West Virginia State Dept. Health. West Virginia State Department of Health, Charleston, W. Va.

West Virginia Univ. West Virginia University, Morgantown, W. Va.

Westermann. G. Westermann, Braunschweig, Germany; Hamburg, Germany.

Whiting & Co., London.

Whitman. Albert Whitman & Co., 560 West Lake St., Chicago, Ill. Canadian Agent: McLeod.

Wiley. John Wiley & Sons, Inc., 440 Fourth Ave., New York City.

Williams & Co. A. Williams & Co., Boston, Mass.

Williams Printing Co. Williams Printing Company, New York City.

Williams & Wilkins. Williams & Wilkins Company, Mt. Royal and Guilford Aves., Baltimore, Md.

Wilson. Thomas Wilson & Co., 25 West 45th St., New York City.

Wilson, E. E. Wilson, London.

Wilson-Western. Wilson-Western Sporting Goods Company, 2037 Powell Ave., Chicago, Ill.; 222 Fourth Ave., New York City.

Wisconsin State Board Health. Wisconsin State Board of Health, Madison, Wis.

Wohlfahrt. Wohlfahrt Studios, 19 West 34th St., New York City.

Womans Press. Womans Press, National Board of Y.W.C.A., 600 Lexington Ave., New York City.

Wood. S. S. and W. Wood, New York City.

Wright & Schondelmeier. Wright and Schondelmeier, New York City.

Wyoming State Board Health. Wyoming State Board of Health, Cheyenne, Wyo.

Y.M.C.A. Y.M.C.A. National Council. See Assoc. Press.

Yale Univ. Yale University, New Haven, Conn.

Yale Univ. Press. Yale University Press, New Haven, Conn.

DELHI UNIVERSITY LIBRARY

Cl. No.

Ac. No.

Date of release for loan

This book should be returned on or before the date last stamped below. A fine of one anna will be charged for each day the book is kept overtime.

--	--	--	--

